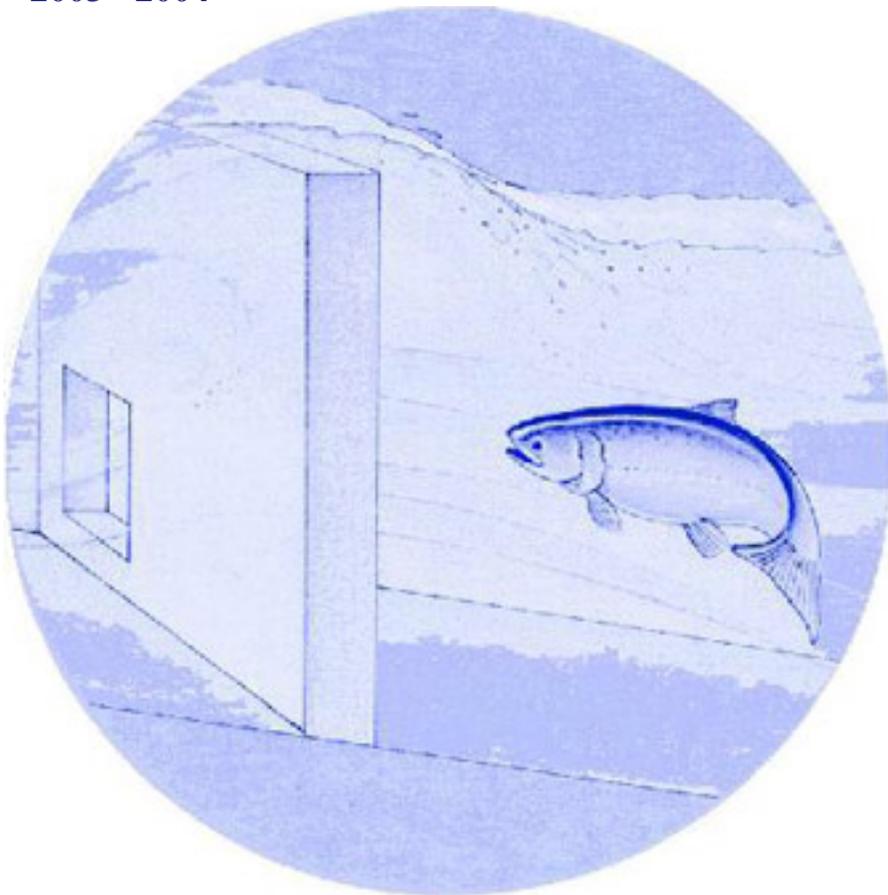


Yakima/Klickitat Fisheries Project

Management, Data and Habitat

**Annual Report
2003 - 2004**



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**Yakima Klickitat Fisheries Project
Yakima -Management, Data and Habitat**

Project # 1988-120-25

Contract # 00014038

First, Quarter Report

May 1, 2003 – June 30, 2003

Second Quarter Report

July 1, 2003 – September 30, 2003

Third Quarter Report

October 1 – December 31, 2003

Final Report

May 1, 2003-March 31, 2004

The Confederated Tribes and Bands of

The Yakama Nation

Prepared For:

David Byrnes

COTR

Bonneville Power Administration

Portland, Oregon

June 2004

Submitted on behalf of all Project Personnel

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INTRODUCTION TO YKFP:

The Yakima/Klickitat Fisheries Project (YKFP or Project) continues to be an all stock initiative that is responding to the need for scientific knowledge for rebuilding and maintaining naturally spawning anadromous fish stocks in both basins.

The Yakama Nation, as the Lead Agency, in coordination with the co-managers, Washington Department of Fish and Wildlife and in cooperation with the Bonneville Power Administration, the funding agency, is pursuing this. We are testing the principles of supplementation as a means to rebuild fish populations through the use of locally adapted broodstock in an artificial production program. Also, the goal is to increase the numbers of naturally spawning fish, while maintaining the long term genetic fitness of the fish population being supplemented. This concept is being utilized on the Spring Chinook within the Yakima River Basin. Also, experiments are being initiated this performance period to initially determine if there are any genetic concerns relative to domestication.

The coho and fall chinook programs were approved and implemented in the Yakima Basin. The coho programs principle objective is to determine if naturally spawning coho populations can be reintroduced throughout their biological range in the basin.

The objective of the fall chinook program is to determine if supplementation is a viable strategy to increase fall chinook populations in the Yakima subbasin. The coho and fall chinook programs are under the three step process that was established by the Northwest Power Planning Council and have gone through the provincial review process.

The Klickitat subbasin management program is coordinated with the Yakima subbasin program. Effective this year, a separate contract for Management has been implemented for the Klickitat subbasin. The Klickitat Subbasin also has separate contracts for Monitoring & Evaluation, Construction, and ultimately, Operation and Maintenance. In the Klickitat subbasin, we propose to use supplementation to increase populations of spring chinook and steelhead. This program is still in the developmental stages consistent with the three step process. Consistent with the reporting procedures, separate reports will be completed for the Klickitat subbasin.

REPORT FORMAT

This report is formulated in the format of the contract. There are three reference documents utilized: **Table 1:** A table with the chronological listing of the Objectives and Tasks with a brief description of each; **Table 2:** A table that lists the personnel involved with their respective title/responsibilities with a number being assigned to represent their position in Table 3 report form i.e., if Joe Smith is number 1 on Table 2, the report will reference #1 in lieu of spelling his name under the Personnel column of Table 3; **Table 3:** A table that shows the per cent level of progress of each Task per quarter and the personnel involved. Any specific reference or comment specific to a Task will be done as a footnote on Table 3 or by an attachment. Attachments: **Attachment A-** Information System Management Plan, **Attachment B-** Legal/Policy Analysis Quarterly Summary report; Patrick Spurgin; **Attachment C-** Activities of Judith Woodward (Crossing Borders Communications) for Yakama Nation during period of May 1, 2003 through June 30, 2003 **Attachment D-** YKFP Updated Organizational Chart; **Attachment E-** Financial and Capital Inventory Reports. **Attachment F;** Policy Group Minutes

TABLE 1. List of Objectives and Tasks for the Management, Data, and Habitat activities for Contract #4822 for the period of April 1, 2002 through March 31, 2003

Objective #	Objective/Task Title
--------------------	-----------------------------

Obj. 1. Yakima/Klickitat Fisheries Project Management and Oversight.

General Scope

The YN as the YKFP's Lead Agency, is responsible for Project planning and design; the construction, operation and maintenance of YKFP facilities; and the monitoring and evaluation of Project research activities. The Lead Agency is also responsible to ensure adequate funding for all Project activities.

General Responsibilities of YKFP Essential Personnel

The Lead Agency is responsible for the management and implementation of all YKFP facilities. The Facilities include:

1. The Cle Elum Supplementation and Research Facilities
2. The spring chinook acclimation sites at Clark Flat, Easton and Jack Creek
3. The Marion Drain Hatchery.
4. The Prosser Hatchery
5. The coho acclimation sites in the Yakima and Naches subbasins.
6. The Chandler Juvenile Facility.
7. The Roza Broodstock Collection Facility.
8. The Roza Juvenile Outmigration Trap
9. The Nelson Springs Office Complex(s).
10. The Toppenish Office Support Complex.
11. Klickitat Office Complex (Covered under Klickitat Contract)

YKFP Management is also responsible for the efficient performance of all Project research and monitoring activities, including:

1. Monitoring spring and fall chinook, coho and steelhead natural production.
2. Monitoring adult returns and survival for spring and fall chinook, coho, and steelhead;
3. Monitoring spring and fall chinook, coho and steelhead natural production.
4. Spring chinook supplementation experiments (OCT/SNT comparison, reproductive ecology, genetics);
5. Monitoring species interaction (predation, competition, etc.)
6. Coho reintroduction feasibility experiments.
7. Coho and fall chinook broodstock developments.
8. Steelhead kelt reconditioning, experiments (in cooperation with Columbia River Inter Tribal Fish Commission (CRITFC));
9. Habitat assessments and acquisition
10. Domestication research

The YKFP management is also responsible for the Project Data/Information compilation and distribution along with coordinating all planning activities.

- TASK 1.1** Produce and maintain the Project Management Flow Chart for the YKFP.
- TASK 1.2** Policy Advisor/Project Coordinator (PAPC). Lead management and oversight person for YKFP. Implements, coordinates oversees YKFP and its' personnel..
- TASK 1.3** Program Coordinator (PC).Under supervision of PAPC. Responsible for oversight on all financial matters, including all accounting and bookkeeping functions. Coordinates contractual financial matters including producing all financial invoices and compliance. Supervises support personnel.
- TASK 1.4** Research Manager (RM). Under supervision of PAPC. Does oversight for all YKFP science and technical matters including research experiments and Science Technical Advisory Committee. (STAC) Develops, oversees and coordinates all monitoring and evaluation activities of the Project. Reviews and develops appropriate reports.
- TASK 1.5** Klickitat Subbasin Coordinator (KSC) Under supervision of PAPC. Oversees, implements and coordinates all Project activities in the Klickitat subbasin consistent with the 3 step process and subbasin plan. Coordinates M&E activities with RM and produces appropriate reports. Supervises field crews.
- TASK 1.6** Habitat Coordinator (HC).Under supervision of PAPC. Plans and implements habitat, water quality and passage improvement projects within the Yakima subbasin. Actively functions as the lead person in the acquisition of key habitat tracts within the basin.
- TASK 1.7** Data Base Manager. (DBM) Under supervision of PAPC. Designs, installs and coordinates the YKFP's data management and transfer system. Coordinates the compilation of all the monitoring and evaluation data that is generated by the Project. Develops 5 year data management plan.

Objective. # 2 Policy and Planning

General Scope

The YN will fulfill its policy and planning responsibilities through the tasks set forth below. The planning objective is to implement the YKFP's adaptive management policy by maintaining and keeping current all Project planning and operations documents. The PAPC will coordinate these functions with the co-managers, STAC and other agencies, as necessary.

Purpose

The YN needs to maintain a presence in all YKFP policy and planning activities. Through this contract, the YN as the Lead Agency, can fulfill its' active participation through coordination with the Washington Department of Fish and Wildlife, the co-managers.

- TASK 2.1** YKFP Policy Group. PAPC will lead all Policy Group meetings and will develop the agenda and coordinate the monthly meetings. Arranges for accurate minutes/records to be kept for meetings. Coordinates scheduling with WDFW, BPA, and other Project personnel and agencies.
- TASK 2.2** Intergovernmental and Internal Relations. PAPC represents the YKFP in all intergovernmental relations with BPA, NPPC, WDFW and other agencies. Will coordinate internally with administration and elected officials.
- TASK 2.3** Lead Agency. PAPC coordinates with participants to assure that Lead Agency responsibilities are met.
- TASK 2.4** Project Funding. PAPC and key Project personnel develop annual Project funding proposals.
- TASK 2.5** Project Contracts. PAPC will coordinate the development and execution of all Project contracts and manage them.
- TASK 2.6** Reports. Provide quarterly reports (and monthly) for all contracts. Provide annual reports for contracts where applicable.
- TASK 2.7** NEPA AND ESA Compliance. PAPC will coordinate all NEPA related activities for the Project with Project personnel, BPA, and WDFW.
- TASK 2.8** Subcontracts. PAPC, in coordination with PC, will develop, execute and manage all subcontracts.
- TASK 2.9** Planning. PAPC, in coordination with RM, will involve key management personnel in developing all the respective plans (documents) for the Project in coordination with WDFW.

Objective 3. Provide Project Financial and Administrative Support

General Scope

The YKFP operates under several contracts to meet its' research and production objectives as well as the data and habitat aspects of the Project. The administrative

support requirements that are required to maintain compliance, both for the funding agency and the Yakama Nation are immense. The Project Coordinator is responsible for all financial/personnel contract compliance requirements in coordination with the PAPC.

Purpose

The current financial status of all the YKFP contracts is essential for effective and efficient implementation of all the contracts. Adequate support staff and structure are essential in maintaining this balance.

TASK 3.1 Annual Budgets. PAPC will coordinate respective Project personnel to develop annual proposals and budgets for BPA funding.

TASK 3.2 Contract Financial Monitoring and Compliance. PC coordinates with PAPC in assuring financial compliance with all contracts including Project sub contracts.

TASK 3.3 Payroll Report. PC will coordinate with support personnel and develop the Payroll Report which will be submitted with quarterly reports.

TASK 3.4 Equipment Inventory. PC coordinates with Project personnel in maintaining a current equipment Inventory list and assurance on proper insurance coverage.

TASK 3.5 Internal Relations: PAPC and PC coordinates all operational aspects of the Project with YN Department of Natural Resources and other departments, including the Tribal Council Fish and Wildlife Committee.

TASK 3.6 Quarterly and Annual Reports. PAPC coordinates with appropriate Project personnel in developing monthly, quarterly and annual reports for all contracts as a deliverable to BPA.

TASK 3.7 Administrative Support. Provide appropriate Project contract support through the coordination of Project personnel and the employment of adequate personnel to meet these requirements.

Objective 4. Data Processing and Information

General Scope

Develop an overall structure for the collection and management of YKFP data, ultimately locating it in a accessible location. The system will be consistent with Yk FP and regional data management guidelines and objectives. The Data team responsible for achieving this is lead by the Programmer/Database Manager.

Purpose

The goal of this objective is to standardize, consolidate, centralize and make accessible all data and information that is generated by the YKFP.

- TASK 4.1** Consultation and Coordination. PDM will coordinate with Project scientists, personnel and agencies to assure that needs are being met.
- TASK 4.2** Information System Resources Plan (ISRP). PDM will coordinate the process of peer reviewing the ISRP and updating it. The ISRP is subject to ongoing review and approval by the YKFP .
- TASK 4.3.** Quality Control, Standardization and Storage. PDM will coordinate the development of a standardized system, supervise the collection process and coordinate with respective agencies on its' compatibility.
- TASK 4.4** Information Management and Transmission. PDM will coordinate the design of an adequate transmission system accessible to appropriate researchers.
- TASK 4.5** YKFP Internet Home Page. PDM will coordinate the development of a home page in consultation with PSMFC and other BPA fund projects. They will also maintain it after it is developed.
- TASK 4.6** Equipment Analysis. PDM will coordinate the assessment of the computer equipment needs and assist in the process to fulfill the equipment needs.
- TASK 4.7** Monitoring Yakima Subbasin Activities. PDM will coordinate with Project personnel on monitoring the data collection systems with the ability to develop efficient methods of data collection.
- TASK 4.8** Monitoring Klickitat Subbasin Activities. PDM will coordinate the development of an efficient method to access and archive all data and information for the Klickitat subbasin Project activities. The plan for monitoring and archiving Klickitat data will be incorporated into the ISRP.
- TASK 4.9** Note: To coincide with contract, there is not a 4.9 Task listed.
- TASK 4.10** Geographic Information Systems (GIS). The team will develop decision support GIS tools and maps for the Yakima and Klickitat basins. They will link YKFP databases to GIS databases and maps based on availability and suitability of the data and on priorities set by STAC and/or the policy group.

TASK 4.11 Reports. PDM will coordinate with PAPC in fulfilling all report requirements for this activity.

Objective 5. Project Annual Review (PAR)/Quarterly and Annual Reports

General Scope

The Project Annual Review (PAR) is a vital part of the annual review and planning cycle that contributes to the research consideration for the YKFP. The PAR consists of a series of presentations documenting the production, monitoring and evaluation objectives and results of the previous years' research projects in the YKFP. The PAR affords an opportunity for formal peer review and interaction with scientists who have a viable interest in supplementation and the resource.

Purpose

The Project's goal is to schedule and conduct an annual PAR, which will include presentations from each of the task specific participants with invitations to others interested in the YKFP. The PAR will assist the Policy Group in project planning and management activities and will be made available to regional scientists through the PDM.

TASK 5.1 Schedule. PAPC, in coordination with Policy Group and RM, will select an appropriate date and place.

TASK 5.2 Peer Review and Planning. RM will coordinate with Policy Group in settling up PAR, including selection of Peer Reviewers. Formal agenda of presenters will be established and a formal record will be recorded for future planning purposes.

TASK 5.3 Cataloging PAR Results. All PAR documents will be entered into the library with a copy being submitted to BPA.

TASK 5.4 Prepare and submit Quarterly Progress Reports

TASK 5.5 Prepare and submit an Annual Report

Objective 6. Scientific Oversight by Science Technical Advisory Committee (STAC)

General Scope

The Science/Technical Advisory Committee (STAC) is composed of representatives from the Yakama Nation (YN) and the Washington Department of Fish and Wildlife (WDFW). STAC is responsible for the immediate oversight of all scientific aspects of the YKFP.

Purpose

STAC will develop and review all pertinent scientific and technical information presented to the Policy Group for action. STAC is also responsible for the review and recommendation of the information/data that is presented at the annual PAR.

- TASK 6.1** Research Planning. The Research Manager (RM) will serve as YN's STAC representative and the lead person for STAC. STAC will plan, review and recommend all research activities for the Project.
- TASK 6.2** Project Annual Review (PAR) The RM will coordinate with PAPC in planning and facilitation of the PAR.
- TASK 6.3** Intergovernmental and Other Relations. The RM will meet and coordinate with all appropriate agencies and entities on the scientific aspect(s) of the Project.
- TASK 6.4** Project Science Documents. The RM will coordinate the development of the various scientific documents for the Project.
- TASK 6.5** Research Objectives. RM will direct all research objectives of the Project in coordination with WDFW and the PAPC.
- TASK 6.6** Monitoring Implementation Planning Teams. STAC will be directly responsible for the formulation/implementation of MIPT.
- TASK 6.7** Subbasin Planning. RM will participate in the NPPC Provincial Rolling Review and Subbasin Summary and Planning development process.

Objective 7. Habitat, Water and Passage

General Scope

The YKFP will improve and protect habitat deemed necessary to further Project objectives. The Habitat Coordinator (HC) will coordinate with the respective agencies, committees and groups on matters pertaining to habitat, water resources and fish passage matters within the Yakima subbasin.

Purpose

The YKFP's Ecosystem Diagnostic and Treatment (EDT) analysis will provide information related to habitat projects that will improve salmonid production in the Yakima and Klickitat subbasins. The Klickitat subbasin habitat related matters will be handled by the biologist assigned to that subbasin under the Monitoring and Evaluation contract.

- TASK 7.1** Yakima Basin Technical Advisory Group. Habitat Coordinator (HC) will coordinate with YN representative on implementation of Title XI, P.L. 103-434.
- TASK 7.2** Fish Passage: HC will provide/coordinate the biological input for the design and construction of fish passage and protective facilities for the YKFP. Will also coordinate ‘Safe Access’ passage projects.
- TASK 7.3** Fish Screens. HC will provide representation and coordination on Phase 1 and 2 screens in the Yakima subbasin.
- TASK 7.4** Intergovernmental and Other Relations. HC will coordinate with all agencies on matters affecting fish habitat and passage in the Yakima subbasin.
- TASK 7.5** Projects and Laws Affecting the YKFP. HC will monitor, review and provide comment on projects that may affect fish habitat and passage in the Yakima subbasin.
- TASK 7.6** Watershed Restoration Forums. HC will monitor and provide input to appropriate watershed restoration forums to ensure that decisions reflect the goals of the YKFP.
- TASK 7.7** Coordination With Funding Agencies. HC will coordinate with appropriate funding agencies regarding habitat-related projects in Yakima subbasin.
- TASK 7.8** Habitat Improvement Projects. HC will plan and implement habitat improvement projects consistent with the Yakima Subbasin Summary.
- TASK 7.9** Endangered Species Act. HC will monitor activities relative to the Endangered Species Act.
- TASK 7.10** Land Securing and Oversight (**Expanded**) HC provides leadership in securing biological strongholds for anadromous fish under related YKFP projects (i.e. Yakima Side Channels Project Number 1997-051-00). The HC provides leadership in developing and maintaining land management plans for all lands secured through Bonneville funding.

Management Plans will be developed for each BPA funded land acquisition as stipulated in the appropriate “Supplement Analysis for the Watershed Management Program EIS” and in Section 6 of the Watershed Management Program Record of Decision dated August 27, 1997. These plans are usually due within one year of closing on a land acquisition.

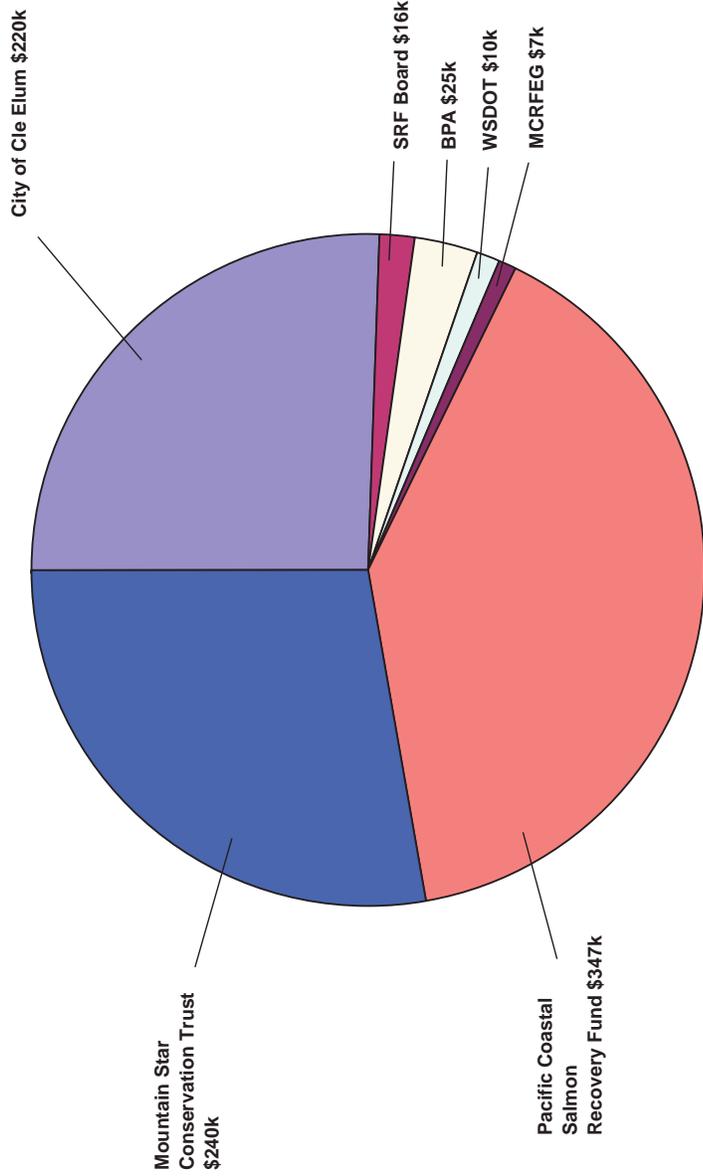
During this performance period draft management plans will be developed for two previously acquired parcels and submitted to BBPAA for review and comment. Additionally, a schedule for developing management plans for the balance of previously acquired parcels will be submitted to BPA within this performance period. This schedule will identify by parcel the schedule for completing draft management plans for the balance of previously acquired property under the Yakima Side Channel Project., referenced above.

The parcels for which management plans are needed are: Foster- 60 acres, Dixon – 30.7 acres, Henne – 139 acres, Scatter Creek Phase 1 – 107 acres, Lanphere – 96 acres, and Scatter Creek Phase II – 308 acres, Lower Naches River Phase I Parcels (four total) – 125 acres (Rosen, Peterson, Young, and Swanson).

Hanson Ponds Restoration Project

After four years of planning, the project began construction last October. A contract for heavy equipment was processed in concert with a contract with the City of Cle Elum (city). That portion of the project continued from October, until March 29th. Currently the Northwest Services Academy is installing native plants, seeding, doing weed control and building a pedestrian bridge. Their restoration work will be completed next fall. The project serves as a showcase for collaboration to restore watershed functions, while meeting the needs of the local municipality. The results included protection of 80+ acres, creating a one-mile side channel, perforating an armored levee in three locations, creating 1.5 acres of wetland and converting a one-mile road to a pedestrian trail. Significant cost-share funding was garnered, shown in the diagram below.

Hanson Ponds Cost Share



Habitat Protection

The BPA placed a temporary hold on habitat purchases in December 2002. During the ensuing months, I have continued to plan for future purchases, and have worked on finalizing several projects in the lower Naches Reach. Specifically, the Swanson acquisition, which had been stalled while trying to get a partial release statement from the mortgage broker, is now ready to close sometime next month. The Harris property acquisition, which hosts an important side channel with a water right, was presented to the Washington Water Trust, and the Salmon Recovery Funding Board for their monetary involvement. Both entities are now ready to purchase the property. That project requires a new lot line survey, which is now underway, with closing scheduled late May or June.

Planning for future work has required substantial interaction with several landowners. The Holmes property, Lumsden, DNR-Easton, Browitt and Snowden are on the short list for purchase when funding allows. Interaction continues with these landowners to some degree, and NEPA and Environmental Land Audits have been conducted as needed for these properties. I have written a proposal for the 5th round of the Salmon Recovery Funding Board requesting a cost-share for purchase of the Holmes property, situated in the Ellensburg Reach. I am also soliciting funds from the mid-Columbia Regional Fisheries Enhancement Group for this purchase. Future protection efforts will focus in the upper Yakima, with some possible work in the lower Naches.

I collaborated with the Mountain Star Conservation Trust (trust) on a proposal to the Salmon Recovery Funding Board for critical habitat acquisition. Although the YN provided the biological justification and much of the background for that project, the trust serves as the proponent.

Tributary passage and screening

As the author of the contract scope that YN manages with BPA for reestablishing access into tributaries, I hired and now supervise the project biologist. In that role, I review draft passage recovery plans, assist with grant writing, and attend some of the watershed meetings related to this issue. The Yakima Tributary Access and Habitat (YTAHP) group was formed in 2000, with the same goals as the YN project. In light of that, we have recently worked with BPA and YTAHP to merge the two projects. The YTAHP group includes members from state, federal and local agencies, and our biologist will continue to serve on their committee to design and implement projects.

Intergovernmental Relations

I provided input to Yakima County as they reviewed Best Available Science for update of the county Critical Areas Ordinance. I also attended the county's Floodplain task force meetings, to review the findings and develop further recommendations related to the floodplain study that the county, state and YN are conducting in the Yakima Basin. I also continue to serve on the Yakima Subbasin Salmon Recovery Lead Entity's Technical Advisory Group.

Objective 8. Sub-Contracts for Needed Services.

General Scope

The YKFP is a diverse Project has service needs that are best served through a contractual arrangement. It has proven to be very beneficial to employ the services of personnel who not only have a specialized area of expertise but are also distinctly familiar with the YKFP.

The YN will contract with qualified personnel, agencies or firms that possess the abilities to meet specific service requirements of the YKFP. The YN will negotiate and execute a personal services contract and/or agreement and monitor the services, once implemented.

SUB-CONTRACT 8.1.

Policy/Legal Analyst. (PLA) Develop/Implement a contract with PLA to provide needed services in the areas of management, labor, NEPA/SEPA, local/state permitting requirements, document review and general contract law.

SUB-CONTRACT 8.2

Science Technical Advisory Committee. (STAC) Core representation on STAC is YN Research Manager and a representative from WDFW..STAC coordinates, recommends all technical/scientific matters for the YKFP. They also coordinate all the Monitoring and Evaluations activities of the YKFP. Make recommendations to the PG for decisions and can recommend/request to contract essential personnel or services for STAC requirements.

SUB-CONTRACT 8.3

YKFP Policy Group Consultant Support Services: Provides technical assistance in maintaining accurate records of all Policy Group/special meeting minutes including PAR.. Assists in coordinating PAR and Internal PAR.

SUB-CONTRACT 8.4

YKFP Technical Writer. Develop/Implement a contract to employ the continued services of Crossing The Borders, a technical writer, to assist in the annual revision and long-term maintenance of various YKFP documents, including the PSR's for the preferred species.

TABLE 2. List by number of Project personnel/title/responsibilities under this contract.

Number/Name	Position Title/Responsibility Summary
1. Melvin R. Sampson	Policy Analyst/Project Coordinator: Responsible for Overall Project oversight/implementation/coordination.
2. Dr. Dave Fast	Research Manager: Responsible for immediate oversight/development of all technical/scientific matters for the Project. Takes lead with STAC.
3. Scott Nicolai	Habitat Coordinator: Plans and implements habitat and water quality improvement projects within basin, including land purchases. Monitors other agencies/entities related activities within basin and represents YN in related forums/meetings.
4. William Sharp	Klickitat Basin Coordinator. Responsible for the immediate planning, development, implementation of all species and habitat restoration within basin consistent with the NPPC three step process.
5. William Bosch	YKFP Data Manager: Designing, installing and managing a data management and transfer system for all of the YKFP data, including the Klickitat basin.
6. David Lind	YKFP Co-Data Manager, Part Time: Design, install and assist in managing a data management and transfer system for all of the YKFP data, including the Klickitat basin.
7. Paul Huffman	Data Systems Specialist (GIS); Creates geographic information systems (GIS) to analyze and manage fish habitat and populations. Develops GIS as a management and decision-support system for the Project. Develops and maintains tools for the YKFP project web site.
8. Irene James	Data Management Technician: Assists in the development of Geographic Information System (GIS). Enters geographic data via keyboard, downloads data from GPS units, data loggers and the Internet Prepares plots, illustrations and other types of output. Assists Project staff members in using the GIS. Currently 0.5 FTE.

9. Michael Babcock YKFP Assistant Data Manager: Design, install and assist in managing a data management and transfer system for all Klickitat basin YKFP data.
10. Adrienne Wilson Project Coordinator: Responsible for all accounting, bookkeeping, budget, invoicing and reporting duties for the YKFP, including budget(s) development and modification. Supervises all Project financial and clerical support personnel.
11. Rachel Castilleja Bookkeeper III: Responsible for varied bookkeeping tasks; cuff accounts, preparing financial documents, purchase orders, journal entries, travel authorizations, quarterly reports; responsible for processing sensitive documents and records. Coordinates with YN administration, the formal processing of Project/Fisheries documents in a timely manner.
12. Ida Sohappy-Ike Bookkeeper III: Responsibilities same as number 10.
13. Donald Isadore Responsible for monitoring several accounts for: payroll, report developing/reconciliation; employee timesheet verification; Payroll Action processing; maintain sensitive/capital equipment inventory w/assurance of proper insurance; coordinates with Project Biologists/personnel; and assists in coordinating Project Annual Review.
14. Susan Tynan Accounts Payable/Librarian: Responsible for librarian, secretarial, receptionist, accounts payable, accounts receivable and related tasks. Primarily assigned to the Nelson Springs office.
15. Carol S. Speedis Office Assistant V: Responsible for maintaining log of all documents that leave the YKPF office to keep a record of location of Grants/Contracts, reports, letters, sub-contracts etc. Coordinates with YN administration, the formal processing of Project documents in a timely manner. Currently assigned duties of recording/transcribing Policy Group meeting minutes. Other duties as assigned
16. All Personnel Number 16 will be used in **Chart # 3** when all Project personnel are involved in that respective Task.

Sub-Contracts:

- 17. Pat Spurgin** Policy/Legal Analyst, (PLA): Provides technical assistance in areas of management, labor, NEPA/SEPA, permitting, document review and general contract law.
- 18. YN&WDFW
Representatives** Science Technical Advisory Committee: Responsible for all Project technical and scientific activities including the monitoring and evaluation. May contract for special needed services and personnel for given situations as they may determine.
- 19. Vacant** YKFP Policy Group Consultant Support Services: Provides technical assistance in maintaining accurate records of all Policy Group/special meeting minutes including PAR. Assists in coordinating PAR and Internal PAR.
- 20. Judith L Woodward** YKFP Technical Writer: Provides the technical writing skills in the development, revision and long-term maintenance of YKFP documents that track the evolution of the Project. Will convert some document formats to serve as the master plan for certain specific species.

TABLE 3. Percent and status of completion.

Percent and status of completion for the Objectives/Tasks of the YKFP Management, Data, and Habitat, Project 1995-064-24, with the performance period of May 1, 2003 through April 30, 2004. Where necessary, footnotes will be utilized to address specific circumstances. F=field or lab work, O=Office Work; See Table #2 for correlation of numbers for Personnel. The respective aggregate % of completion per Task is in parenthesis. Where there is both Field and Office activity, the aggregates need to be combined to determine full % of completion.

Obj./Task	1 st Quarter April - June		2 nd Quarter Jul – Sept		3 rd Quarter Oct - Dec		4 th Quarter Jan - Mar		Personnel
	%F.	%O.	%F.	%O.	%F.	%O.	%F.	%O.	
Obj. 1									
Task 1.1		25		50(75)		10(85)		15(100)	16
1.2	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	1,2,3,4,5,9
1.3		25		25(50)		25(75)		25(100)	15
1.4	10	15	10(20)	15(30)	10(30)	15(45)	10(40)	15(60)	1,2,4,5,19,16
1.5	10	15	10(20)	15(30)	10(30)	15(45)	10(40)	15(60)	2,1,4,16
1.6	15	10	15(30)	10(20)	15(45)	10(30)	15(60)	10(40)	3,1,2,11
1.7	5	20	10(15)	15(35)	10(25)	15(50)	10(35)	15(65)	1,2,5,6,7,8
Obj. 2									
Task 2.1		25		25(50)		25(75)		25(100)	1,2,3,4,5,16,14
2.2		25		25(50)		25(75)		25(100)	1
2.3		25		25(50)		25(75)		25(100)	1,2,9,16
2.4		25		25(50)		25(75)		25(100)	15
2.5	5	20	5(10)	20(40)	5(15)	20(60)	5(20)	20(80)	15,16
2.6		25		25(50)		25(75)		25(100)	1,2,3,4,5,9
2.7		25		25(50)		25(75)		25(100)	1,2,3,4,16
2.8		25		25(50)		25(75)		25(100)	1,2,9,16,19
2.9		25		25(50)		25(75)		25(100)	15,16,19

TABLE 3 Continued. Percent and status of completion for the Objectives/Tasks of the YKFP Management, Data, and Habitat, Project 1995-064-24, with the performance period of May 1, 2003 through April 30, 2004.

Obj./Task	1 st Quarter April - June		2 nd Quarter July - Sept		3 rd Quarter Oct - Dec		4 th Quarter Jan - Mar		Personnel
	%F.	%O.	%F.	%O.	%F.	%O.	%F.	%O.	
Obj. 3									
Task 3.1		40		10(50)		30(80)		20(100)	16
3.2		40		10(50)		25(75)		25(100)	9,10,11,12,13
3.3		40		10(50)		25(75)		25(100)	12,9
3.4		40		10(50)		25(75)		25(100)	11,15
3.5		25		25(50)		25(75)		25(100)	1,9
3.6		25		25(50)		25(75)		25(100)	15
3.7		25		25(50)		25(75)		25(100)	1,9,10,11,12,13
Obj. 4									1
Task 4.1		25		25(50)		25(75)		25(100)	5,6,7,9
4.2		0		0		0		100(100)	5,6,7,9
4.3		25		25(50)		25(75)		25(100)	5,6,7,9
4.4		25		25(50)		25(75)		25(100)	5,6,7,9
4.5		30		30(60)		20(80)		20(100)	5,6,7,8,9
4.6		25		25(50)		25(75)		25(100)	5,6,7,9
4.7	5	20	5(10)	20(40)		20(60)	5(20)	20(80)	5,6,7,8
4.8	5	20	5(10)	20(40)		20(60)	5(20)	20(80)	5,6,7,8,9
4.9	vacant			Vacant					
4.10		25		25(50)		25(75)		25(100)	5,6,7,9
4.11		25		25(50)		25(75)		25(100)	5,6,7,9

^{1 1} While personnel 7, Data systems specialist (GIS) is not referenced in any of the task descriptions relative to this objective, the individual in this position has broad experience and plays a key support role in: network and systems administration and maintenance; web site design, development, administration and maintenance; data backup, storage and PC anti-virus maintenance; and in development of decision support GIS tools and maps for the Yakima/Klickitat basins. The data management technician provides GIS and technical support for tasks 4.5, 4.7, and 4.8.

TABLE 3. Continued: Percent and status of completion for the Objectives/Tasks for the YKFP Management, Data, and Habitat, Project #1995-064-24, with the performance period of May 1, 2003 through April 30, 2004.

Obj./Task	1 st Quarter April - June		2 nd Quarter Jul - Sept		3 rd Quarter Oct - Dec		4 th Quarter Jan-March		Personnel
	%F.	%O.	%F.	%O.	%F.	%O.	%F.	%O.	
Obj. 5									
Task 5.1		0		50(50)				50(100)	1,2,3,4,5
5.2		0		0(0)				100(100)	15
5.3		0		0(0)				0(0)	15
5.4		0		0(0)				100(100)	
5.5		0		0(0)				100(100)	
Obj. 6									
Task 6.1		30		20(50)		25(75)		25(100)	2,1,4,5,6
6.2		0		5(5)		30(35)		65(100)	2,1,5,6,
6.3		30		20(50)		20(70)		30(100)	2,1,4,5,6
6.4		50		10(60)		20(80)		20(100)	2,1,4,5,6
6.5		30		10(40)		30(70)		30(100)	2,1,4
6.6		25		25(50)		25(75)		25(100)	2,1,4
6.7		10		30(40)		30(70)		30(100)	2,1,3,5
Obj. 7									
Task 7.1 ²		5		5(10)	5	5(20)		80(100)	3
7.2		25		25(50)	5	20(75)	5(5)	20(95)	3
7.3		20		20(40)		5(45)		55(100)	3
7.4		40		30(70)		20(90)		10(100)	3
7.5 ³		25		25(50)		10(60)		40(100)	3,1
7.6		25		25(50)		25(75)		25(100)	3
7.7		25		25(50)		25(75)		25(100)	3
7.8		40		40(80)		20(100)		(100)	3
7.9		0		10(10)		10(20)		80(100)	3,2
7.10		10		25(35)		20(55)		45(100)	3
Obj. 8									
SC 8.1		25		25(50)		25(75)		25(100)	1,2,16
SC 8.2		0		0(0)		0(0)		0(0)	1,2
SC 8.3 ⁴		vacant		vacant		vacant		Vacant	
SC 8.4 ⁵		25		25(50)		25(75)		25(100)	1,2,4, 20

² This task isn't currently being implemented; the YRBWEP group is not currently meeting.

³ This is an ongoing effort with no foreseeable start or end point. Also applies to Tasks 7.6 through 7.10.

⁴ This contract was not renewed with the previous consultant due to inadequate performance. Currently the OA5 position is doing the minutes for the PG meetings.

⁵ Consultant J. Woodward coordinated with Biologist Joel Hubble on coho PSR.

ATTACHMENT A

YKFP Information System Management Plan (ISMP)

1. Overview

The Yakima Klickitat Fisheries Project (YKFP) was originally conceived by the Northwest Power Planning Council in 1982 to enhance fisheries in the Yakima and Klickitat River Basins. YKFP personnel include employees of the Yakama Nation (YN), the Washington Department of Fish and Wildlife (WDFW), and the Bonneville Power Administration (BPA). Some project work is also contracted out to agencies such as the National Marine Fisheries Service (NMFS) and the University of Washington. Project work sites are located throughout the state of Washington, including the Roza/Chandler trapping facility near Prosser, the Cle Elum fish hatchery, YN project offices in Toppenish and at Nelson Springs, and WDFW offices in Olympia, Yakima, and Ellensburg.

Since the beginning of the YKFP, vast amounts of data and reports have been generated covering all aspects of the project. Different project personnel have assumed responsibility for maintaining and updating data corresponding to the aspect(s) of the project they are focusing on. The data are currently stored in a variety of formats at the various project offices and work sites. Data have been shared via disk and electronic mail transfers.

Given the volume of data generated by this project, there has long been a vital need to organize and consolidate all of the project data into a cohesive network. At a minimum, such a network will allow:

- standardization of data input and storage,
- rigorous data validity and error checking,
- access by appropriate project personnel for data entry, edit, and analysis purposes to all appropriate data in the YKFP database,
- assurance that all project personnel are working with the same data, and
- consistent and regular backups of all vital project data.

The Yakama Nation, as the lead agency for the YKFP and pursuant to the project contract, has developed this Information System Management Plan (ISMP) to guide the YKFP's efforts to organize, consolidate, and make accessible all of the project's data. This plan will be updated on a regular basis to incorporate changing project needs and is subject to ongoing review and approval by the Policy Group.

2. YKFP Information System Objective

The main objective of the project database is to facilitate the assessment of the YKFP's progress towards achieving its stated purpose, which is “to test the assumption that new artificial production can be used to increase harvest and natural production while maintaining genetic resources” (NPPC 1990). To accomplish this objective, the database must:

- incorporate all of the data necessary to test the project assumption,
- ensure that the data are accurate,
- provide access to a fairly lengthy time series of data,
- allow analysis of related variables, and
- allow the data to be shared.

Attachment A.1

Yakima Klickitat Fisheries Project

Information System Management Plan (ISMP)

Draft, April 15, 2004

Bill Bosch, David Lind, and Paul Huffman
Project Data Managers
Nelson Springs Office
771 Pence Road
Yakima, WA 98902

Updated April, 2004

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Yakima Basin project work sites are located throughout the state of Washington, including the Roza Dam juvenile and adult monitoring facility, the Chandler and Prosser juvenile and adult monitoring facilities, the Cle Elum fish hatchery and associated acclimation sites, YN project offices in Toppenish and at Nelson Springs, and WDFW offices in Olympia, Yakima, and Ellensburg.

Since the beginning of the YKFP, vast amounts of data and reports have been generated covering all aspects of the project. Different project personnel have assumed responsibility for maintaining and updating data corresponding to the aspect(s) of the project they are focusing on. The data are currently stored in a variety of formats at the various project offices and work sites. Data have been shared via disk and electronic mail transfers.

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- allow analysis of related variables, and
- allow the data to be shared.

3. Project Data Summary and Current Status

3.1 Hatchery Operations: River, well, and rearing/adult-holding pond temperature and flow data.

3.1.1. Cle Elum Supplementation and Research Facility (CESRF)

Background: Hardware and software engineers from the consulting firm CH2M HILL were contracted to build a system to track temperature and flow data from: river water, well water, juvenile rearing ponds, and adult holding ponds at the Cle Elum Supplementation and Research Facility (CESRF) and/or at the acclimation sites. This system was implemented on two mirrored Windows NT systems using a third party software system called “Wonderware Factory Suite”. The system maintains data in a series of log files. In 2000, this system was upgraded to copy data from the Wonderware log files to a series of tables in Microsoft Access.

Data Status: The system was implemented when the CESRF went on-line in the fall of 1997. CESRF data from September of 1997 through August of 2000 are available in Wonderware log file format on a series of backup “Jaz” cassette tapes. CESRF data from September of 2000 to present are available in a series of tables within a Microsoft Access database on the mirrored Windows NT machines at the CESRF. Data management staff have developed an interface to the CESRF hatchery operation data in this Access database and have used it to report monthly minimum, maximum, and average CESRF rearing pond temperatures for the 2000 brood since April of 2001. Data management staff are now backing up this Access database of water reporting information to offsite storage media on a monthly basis. Data management staff are uncertain as to the status of hatchery operations data for the acclimation sites from 1997 to present.

In 2003, Technical Systems Incorporated (TSI) was contracted to maintain this system, including all physical systems hardware components, the five data capture personal computers at Cle Elum and the three acclimation sites, the Wonderware software, and the interface between the Wonderware software and the Microsoft Access storage database.

Recommendation: The data management team recommends that the five data capture personal computers at Cle Elum and the three acclimation sites be upgraded in the next fiscal cycle pursuant to recommendations from TSI.

3.1.2 Prosser Hatchery Facilities

There presently are no automated systems for collecting these types of data at the Prosser Hatchery. Some of these data may be collected manually and recorded on paper and/or electronically. Data management staff need to assess the status of these data at the Prosser facilities, and if available, develop a plan for managing these data. This will be considered a lower priority task.

3.1.3 Klickitat Hatchery

The Klickitat Hatchery is in the process of being transitioned to the YKFP. The Klickitat data manager will be involved in the transition process to ensure that plans are in place for the collection and management of hatchery operations (temperature and flow) data where necessary and applicable.

3.2 Gravel-to-Gravel Accounting: Adults collected, eggs spawned, egg survival, fry survival, marking groups, releases, juvenile outmigration survival, adult harvest, adult dam counts, and natural spawners.

3.2.1 Yakima River Spring Chinook

The data management team has developed a comprehensive system for collecting and warehousing all of the data relating to CESRF and naturally produced spring chinook in the Yakima River. Figure 1 shows the life cycle diagram from a data management perspective. The process begins at Roza Dam with adult returns in the spring of Year 1. A representative subsample of returning natural (unmarked) fish are collected for broodstock and these fish are PIT tagged for tracking through the spawning process. Returning CESRF fish are sampled for marks and biological data. All of these data are entered into an Access database (RozaCollect.mdb) at Roza. This database is backed up weekly and transferred to Nelson Spring for further processing. At the end of the collection season, data from returning CESRF fish are transferred to the recapture database (RozaRecap.mdb). Broodstock fish are transferred from Roza into the adult holding ponds. Mortality data from adult holding is recorded in the spawning database at Cle Elum (CleElumEntry.mdb). The Cle Elum spawning database is linked to Roza collection data via the PIT tag inserted into these fish at collection time. Data from the spawning and early rearing process (adult spawners and egg-to-fry stage) at Cle Elum in the late fall of Year 1 and winter of Year 1-2 are entered into CleElumEntry.mdb as well. A link is created between female spawner identifiers and egg incubation troughs and trays. Fish are generally ponded in April of Year 2 and a link is created between egg/fry incubation trays and rearing ponds. Juvenile growth and survival history data are recorded by pond in a rearing database (Rearing.mdb) from ponding through release from the acclimation sites. This database includes marking data entered in the late fall of Year 2, quality control data in the winter of Year 2-3, and transfer to the acclimation sites in the early part of Year 3. Once fish are released from the acclimation sites, coded-wire tag data for these releases are transferred to the Regional Mark Information System (RMIS) database maintained by the Pacific States Marine Fisheries Commission (PSMFC). Juvenile PIT tag detections from release at the acclimation sites through outmigration through the Yakima and Columbia hydrosystem projects are captured and transmitted to

the regional PIT tag database (PTAGIS) at the PSMFC. At the Chandler smolt facility data from PIT detections are combined with Bureau of Reclamation (BOR) flow data and trapping rates to estimate total juvenile smolt passage at Chandler. Fish then enter the ocean phase of their life cycle. Upon adult return to the Columbia and Yakima River systems, harvest data are collected and any marked (CWT or PIT) recaptures are submitted to RMIS and PTAGIS. Harvest monitoring data are sufficient to estimate total harvest by fishery (sport and tribal) and type (marked/CESRF or unmarked/natural). CESRF mark/recapture data from the fisheries and/or Roza Dam sampling can be used to estimate CESRF harvest by pond of release and these data are stored in the RozaRecap database. Adult PIT detections at Columbia hydrosystem projects and at the Roza Dam sampling facility are also captured and submitted to PTAGIS. Once at Roza, the process begins all over except for the naturally spawning escapement. Data from spawning ground surveys (redd counts, marks, and bio-sample data) are recorded in a SpawnTiming (redd count by reach and date) database and a SpawnSurveyMaster (mark and bio-sample data) database. Since these data include data from Geographic Position Sensing (GPS) equipment, Geographic Information System (GIS) maps of spawning locations and densities can be produced.

Figure 2 shows the steps involved in moving these data from the on-site data capture systems to the project's data warehouse on the internet web site. Appendix A gives a description of all the files and data maintained in the spring chinook data warehouse (<http://www.ykfp.org/datawh/>). It is the intent of the data management team to transition the data warehouse to a more easily maintained database that is accessible via a query-interface on the project website. The team is still consulting with other regional data managers and researching the tools necessary to implement such a system. This is viewed as a high-priority, but long-term task.

In lieu of this task, the data management team has been working with the YKFP Monitoring and Implementation Planning Team (MIPT) to develop a comprehensive summary report of all data relating to the CESRF and spring chinook monitoring and evaluation activities in the Yakima Basin. This report will contain a number of tables and figures documenting available data collected about Yakima Basin spring chinook including:

- Adult-to-adult survival,
- Annual run size and escapement,
- Adult traits (e.g., age composition, size-at-age, sex ratios, migration timing, etc.),
- Reproductive statistics (e.g., fecundity, egg size, fertility, etc.),
- Spawning morphology, behavior, and success,
- Juvenile survival (egg-to-fry, fry-to-smolt, smolt-to-smolt, and smolt-to-adult),
- Juvenile traits (e.g., length-weight relationships, migration timing, etc.),
- Harvest impacts,
- Genetic changes,
- Ecological interactions, and
- Habitat enhancement actions.

We expect this report to be available via the ykfp.org web site in late 2004.

3.2.2 Yakima River Coho

The data management team has developed and is maintaining Microsoft Access applications to document: adult returns to Prosser, Roza, and Cowiche dams (in conjunction with the video monitoring team); adult broodstock collections at the Prosser Denil trap; adult broodstock holding mortalities at the Prosser hatchery; and radio telemetry data tracking adult returns to their spawning destinations. The team has begun to assemble a database of historical release data from existing paper and electronic records giving: date of release, location of release, number of fish released, CWT code(s), number of PITs in release, source of fish released, external marks, and comments about the release. The team will also assemble historical redd count data from available records. The collection of these data will allow a complete gravel-to-gravel (release to adult return) accounting of hatchery and natural coho in the Yakima system and will provide a more easily accessed and reliable data source for additional analyses on Yakima River coho. This is an ongoing task.

3.2.3 Yakima River Fall Chinook

The data management team has developed and is maintaining Microsoft Access applications to document adult returns to Prosser dam (in conjunction with the video monitoring team). The team is also maintaining a tally of annual releases, Chandler smolt counts, adult and jack returns to Prosser, and Marion Drain redd counts. These data are available for the years 1983 to present. The team will develop a more comprehensive system for tracking data relating to Yakima River fall chinook pursuant to guidelines in the fall chinook master plan which is now being developed. This is an ongoing task.

3.2.4 Yakima River Steelhead

The data management team has developed and is maintaining Microsoft Access applications to document: adult returns to Prosser, Roza, and Cowiche dams (in conjunction with the video monitoring team); adult collections and releases at the Prosser Denil trap; adult reconditioning mortalities and releases at the Prosser hatchery (in conjunction with the kelt reconditioning program); and radio telemetry data tracking adult returns to their spawning destinations. The team is also maintaining a tally of annual Chandler smolt counts, adult returns to Prosser, adult harvest, and available redd count data. These data are available for the steelhead return years 1983-84 to present. The team will develop a more comprehensive system for tracking data relating to Yakima River steelhead pursuant to guidelines in the steelhead master plan which is now being developed. This is an ongoing task.

3.2.5 Klickitat River Spring Chinook

A comprehensive database of gravel-to-gravel accounting data (hatchery juvenile releases; harvest; estimated total adult returns; hatchery brood and natural spawning escapement; and brood-cohort relationships) is currently being maintained by WDFW staff out of Vancouver Washington. The Yakama Nation conducts annual harvest and spawning survey sampling/monitoring activities for spring chinook in the Klickitat Basin and these data are communicated to the WDFW for incorporation into this database. The data management team (Klickitat data manager) will assume responsibility for the further development and maintenance of this database as part of the Klickitat Hatchery transition

process. Additional databases will also be developed to accommodate spring chinook activities described in the newly developed Klickitat Basin Master Plan.

3.2.6 Klickitat River Coho

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River coho and included in the draft Master Plan. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River coho consistent with monitoring and evaluation needs described in the Master Plan.

3.2.7 Klickitat River Fall Chinook

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River fall chinook and included in the draft Master Plan. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River fall chinook consistent with monitoring and evaluation needs described in the Master Plan.

3.2.8 Klickitat River Steelhead

Data on harvest, redd counts, and estimated returns have been developed into a preliminary run reconstruction data set for Klickitat River steelhead and included in the draft Master Plan. The Yakama Nation conducts annual harvest and spawning survey sampling/monitoring activities for steelhead in the Klickitat Basin but the spawning survey data are not comprehensive. With the development of a draft Master Plan for the Klickitat Basin, the data management team can now focus on developing a more comprehensive system for tracking and managing data relating to Klickitat River steelhead consistent with monitoring and evaluation needs described in the Master Plan. This work will be done in cooperation with the WDFW office in Vancouver, Washington which also maintains a data set on Klickitat Basin steelhead.

Figure 1. Yakima River Spring Chinook Data Flow.

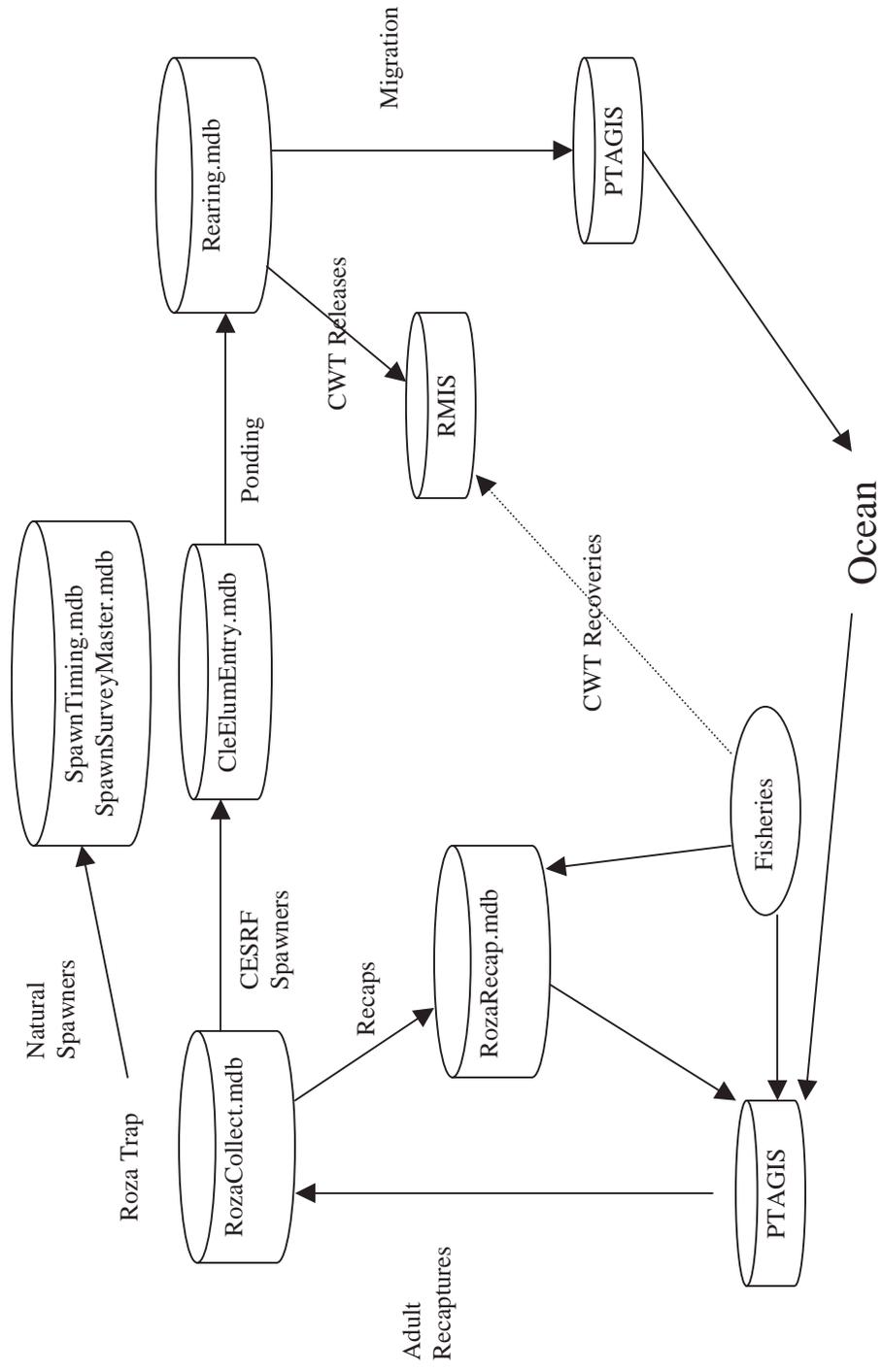
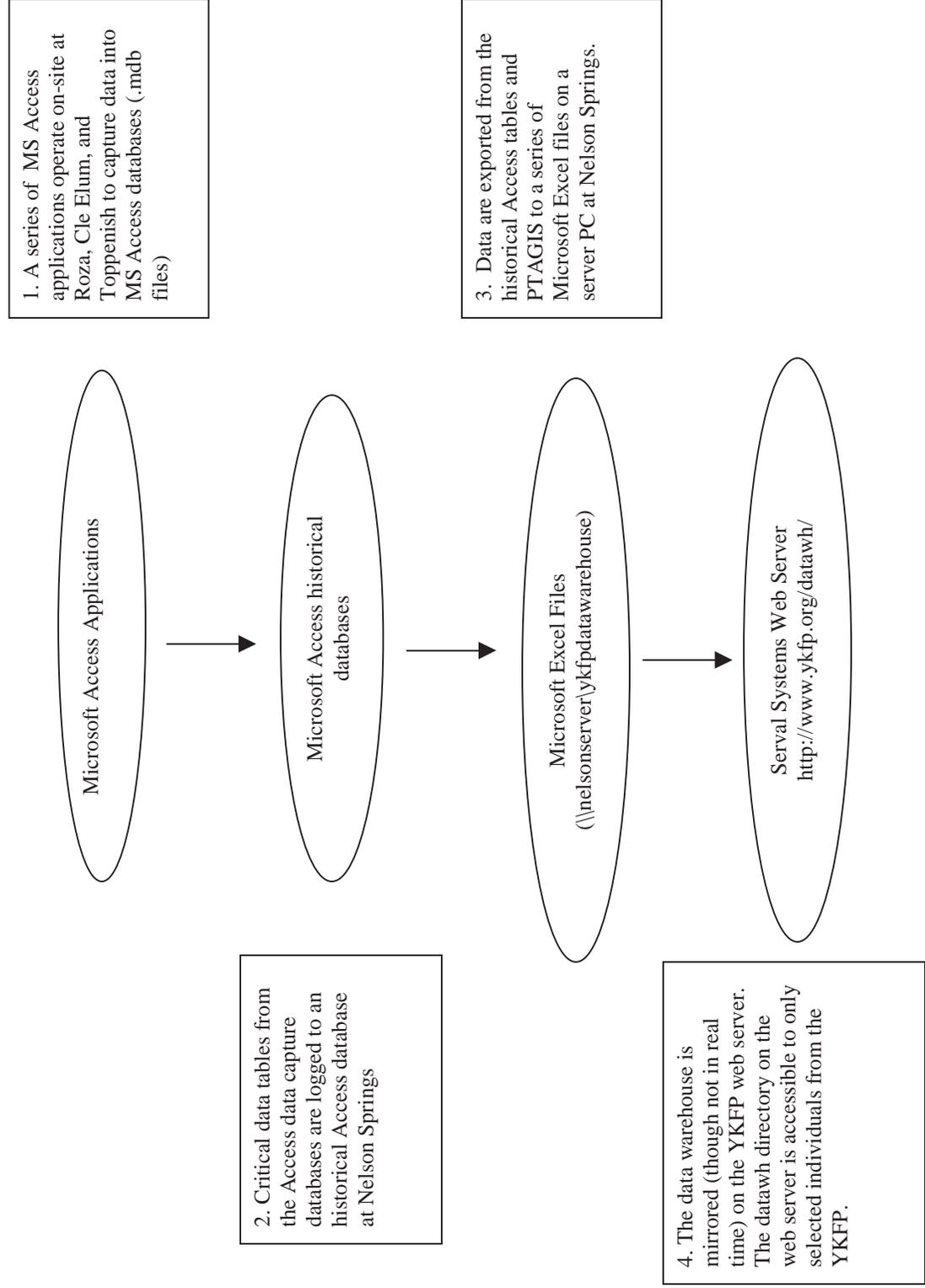


Figure 2. Yakima River Spring Chinook Data Capture and Archiving.



3.3 Genetics: DNA samples (results of electrophoretic analyses).

These data are maintained by other agencies (mainly the WDFW and to some extent, the National Oceanographic and Atmospheric Administration Fisheries [NOAA Fisheries]). For the Yakima, these data sets include several years worth of data on spring chinook and some limited steelhead information. A DNA sample database for Yakima River coho is being developed from samples taken in recent years. For the Klickitat these data sets include electrophoretic analysis data for steelhead, spring chinook (hatchery and natural production), and summer/fall chinook (natural production). The YN has also contracted with the Columbia River Inter-Tribal Fish Commission (CRITFC) to run 320 DNA samples of steelhead smolts and a few wild adults in the Klickitat River. These data were collected in 2000-2002. Preliminary analysis of these data has concluded. There is a need in the long-term to integrate these data sets into the data that eventually will be, or should be, accessible via the YKFP website.

3.4 Habitat parameters: ecosystem diagnosis and treatment (EDT) data.

3.4.1 Yakima River

The YKFP contends that EDT computer modeling accurately integrates habitat quantity, quality, and life history data and can be used to evaluate alternative enhancement strategies. It is the present intent of the YKFP to continue to use EDT modeling throughout the project to: model the statistical power of reproductive success study designs, domestication study designs, treatment/control experimental designs, etc.; design complementary supplementation and/or habitat enhancement programs for targeted stocks; diagnose the fundamental environmental factors limiting natural production; and to estimate relative improvements in production attributable to alternative enhancement strategies. These data and associated models will be maintained by YKFP project staff in cooperation with Mobrand Biometrics. The data management team recommends that the policy group give guidance as to whether there is a need in the long-term to integrate EDT modeling data into the data that eventually will be, or should be, accessible via the YKFP website.

A database of field habitat survey data for some of the smaller creeks in the lower Yakima River watershed was also produced from existing Quattro data files as described in 3.4.2 below.

3.4.2 Klickitat River

Data from field habitat surveys conducted in the Klickitat River Basin from 1996 to present were originally stored in Quattro spreadsheet forms. This format does not allow automated queries of the historical data. The MS Access habitat survey system developed by the Northwest Indian Fish Commission was reviewed and determined not to be flexible enough to meet long-term requirements for YKFP habitat survey data storage and retrieval. The existing Quattro data were reviewed and a MS Access database was designed and developed to store existing habitat survey data and to input new data. Routines were developed to load data from the existing Quattro files into this database. This database is now being routinely maintained and updated out of the Klickitat Basin Wahkiacus field office.

The habitat survey data in this database will feed directly into EDT modeling efforts for the Klickitat Basin. The MS Access database of Klickitat habitat survey information has also been successfully integrated as a front-end to a Geographic Information System (GIS) database. It is now possible for project personnel to produce maps showing, for example, all of the stream segments in the Klickitat Basin having a canopy cover measurement less than a certain value. These kinds of maps can be extremely valuable in making decisions regarding priorities for habitat improvement projects. They also have many other valuable uses.

The data management team will continue to work with field biologists in the Klickitat Basin to maintain and upgrade this database.

3.5 Ecological interactions: predator/prey relationships, capacity issues, etc.

Predation and ecological interactions data are being collected cooperatively by both of the YKFP's co-management agencies, the WDFW and the YN. Both data sets are being stored primarily in Microsoft Access databases, but each agency is maintaining a separate database. The data management team has reviewed these databases for consistency and compatibility.

For the YN Access database, the data management team has developed data entry forms and tables to standardize and warehouse data from Yakima River predation studies. The YN database now contains all of the data for the 1999-2001 monitoring seasons. A more flexible query system was also developed within this database, and the database framework is being expanded to include analysis and reporting functions.

It is probable that the project could benefit by merging the WDFW and YN databases in the future. This would promote data and software sharing, data compatibility, comprehensive data analyses, etc. However, a process has not yet been identified for doing so. This will continue to be pursued as a lower-priority data management task.

Downstream detections of PIT-tagged coho used in predator avoidance tests were submitted to PTAGIS and queries were developed to assist in the analyses of these data.

3.6 Digital photographs

The YKFP's CESRF spring chinook program is generating gigabytes of digital photographs of fish both as they are sampled and/or collected at Roza Dam and again when the broodstock fish are spawned at the CESRF. Biologists determined that photographs of fish at Roza Dam were not of sufficient quality to use for morphometric analysis and Roza Dam photos were discontinued in 2003. The project is also generating digital photographs for other purposes. The data management team is researching ways to meet the long-term storage and dissemination requirements for these digital photographs. The team tried posting the 2001 brood photographs on our public website, but found that data storage costs through our site provider would be too high for this kind of infrequently retrieved data. The team is evaluating some third-party photo compression software (MrSid Photo and MrSid Server) to reduce the storage requirements or improve

availability of these compressed images by making them available to a web browser. A test batch of photographs in JPEG format reduced storage requirements by 80%, with no apparent loss of data. The data management team will continue to pursue this need as a lower-priority task.

3.7 Technical reports and publications

The WDFW has provided the data management team with a CD of technical reports and papers published by the WDFW Ecological Interactions team. The data management team is in the process of developing an area on the project web site, available to the general public, where project reports and publications can be posted for others to view and download. Other reports and publications (either historical or future) will be posted to this portion of the website as they become available. The team recently began development of a database for storage of necessary information to allow quick retrieval of these YKFP technical reports and publications from various locations via the internet.

4. Hardware/Software Platform

Based on a review of available options, the data management team determined that Microsoft Windows-based PCs, Microsoft network software, and Microsoft Access database management (in combination with Visual Basic programming modules) software should be used in the first phase of implementing a YKFP information system to transition from existing data structures to a system of networked relational database structures. Microsoft Access has allowed the data management team to begin implementation of this ISMP in the most timely fashion. This has been critical to developing and maintaining the integrity of project data. Other factors supporting this recommendation are:

- consistency with YKFP / BPA use of other MS products (Word, Excel, etc.),
- ease of integration with existing data (primarily Excel), and
- familiarity of the data management team and other project scientists with Microsoft products and Access.

Given the large volume of users working with Microsoft products and the fact that a product already exists to extend the functional capacity of Access (MS SQL Server), the data management team is confident that Access can meet the needs of the YKFP at least for the foreseeable future. This determination to use Microsoft Access should be evaluated on a regular basis to ensure that it continues to meet long-term project needs. Alternative products should be investigated and implemented as required.

5. Project Network Overview

Figure 3 presents an overview of YKFP data management networking requirements. Project data will be stored in a number of host/server databases and at a number of locations. For example, ecological interaction and habitat data might be stored in Ellensburg, with adult survival and return, adult spawning, and cohort monitoring data stored at project headquarters (currently Nelson Springs), and genetics data stored in

Olympia. Historic data on the host/server databases will be updated on a regular basis with in-season data collected from satellite facilities (e.g., Cle Elum, Roza, Prosser/Chandler, Toppenish, etc.). Data will be retrieved from the host/server databases via a query interface on the project web site. Web site users would, of course, have read-only access to project data and access to certain data may be limited to subsets of users.

6. Project Web Site

The data management team is currently contracting with DreamHost to host the YKFP web site (www.ykfp.org). As noted previously, the efforts of the data management team to date have focused on building and maintaining a series of Access database systems for capturing project data. The team has not made progress on the development of an automated web-based data retrieval system tied directly to the data in these Access databases due to the amount of time required for the current data management team to fulfill existing duties and to learn and develop these tools. Because of this lack of progress, the team developed an organized system of Microsoft Excel files as an interim data warehousing strategy. These Excel files, for the most part, contain raw data dumps of data maintained in existing Access databases (see Appendix A). In addition, the data management team has played an integral role in the development of a comprehensive report relating to YKFP spring chinook work (see 3.2.1). Figure 4 is a graphical display of the data management processes for serving these and other project related data via the YKFP web site.

For the long-term, the data management team is continuing to consult with other regional data managers regarding, and to research options for implementing, a web-based data retrieval system that will be interfaced directly to existing Access databases. This is likely to be a 3-to-5-year project and may require hiring additional staff with expertise in the tools necessary to accomplish this task.

7. Geographic Information Systems

The long-term vision is that a lot of key project data will be integrated into a GIS system and will be available for viewing spatially, e.g., on a map. Some examples might include: Yakima River Basin spring chinook redds overlaid with high-impact predator densities and locations, Klickitat River all stock spawning reaches, Klickitat River EDT Spring chinook "high priority" Restoration/Preservation reaches, etc. Significant progress is being made in this area.

8. Dam Counts

The project maintains systems to capture counts of adult returning fish at Prosser, Roza, and Cowiche dams on the Yakima River. The data management team is working with staff at the University of Washington to develop routines for loading Prosser and Roza adult count data into the regional Data Access in Real Time (DART) system. In 2003, preliminary historical data for 1997 through June of 2003 were loaded into the DART system. Based on varying data needs, the procedures will be changed for loading data to DART in 2004 and work will continue to make sure that historical data are accurately loaded and accessible via

the DART system. DART access to dam count data will be in addition to access already provided via the ykfp.org web site. The data management team will continue to investigate the utility and feasibility of loading juvenile counts at Chandler to similar regional systems.

Figure 3. Draft YKFP Data Network Diagram.

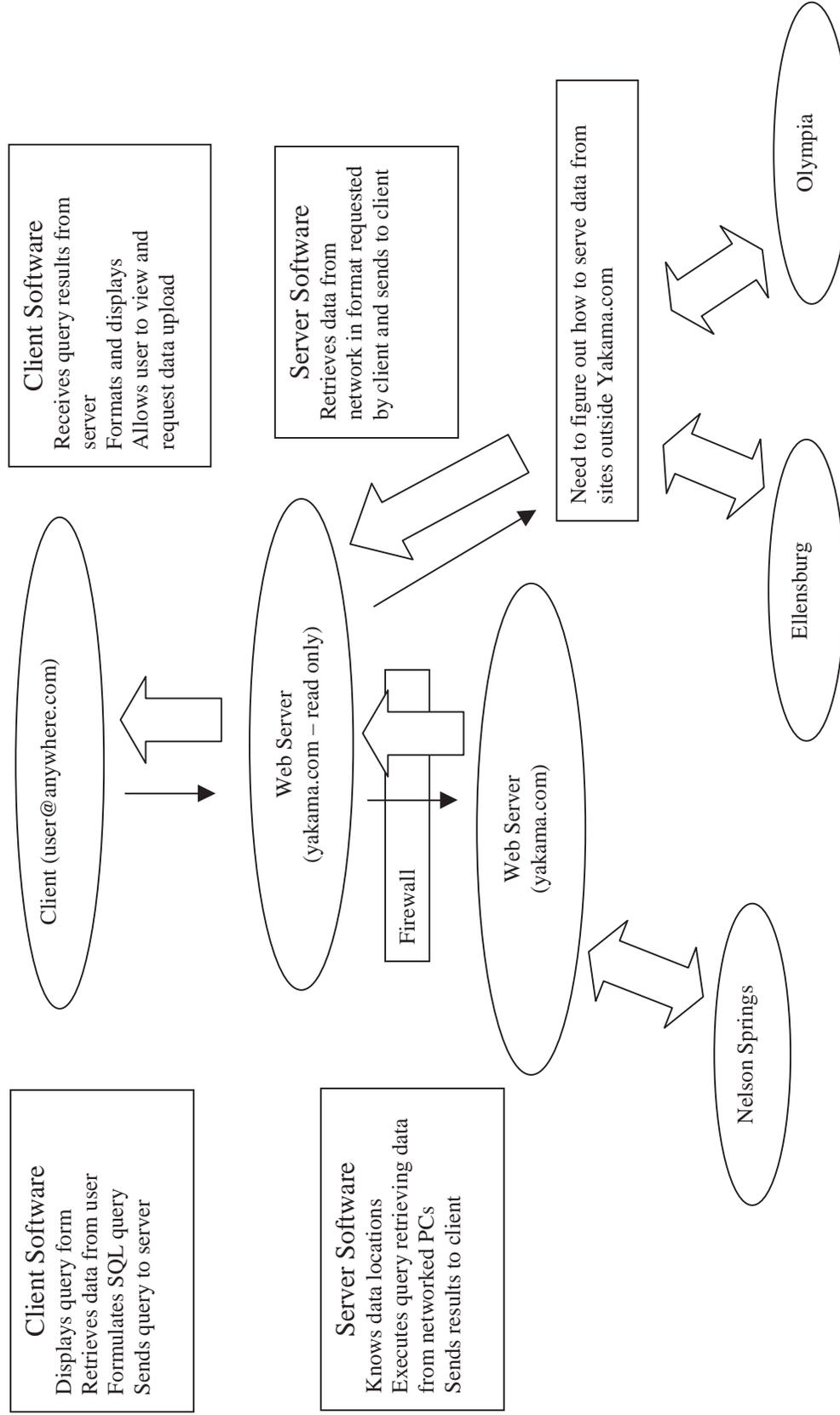
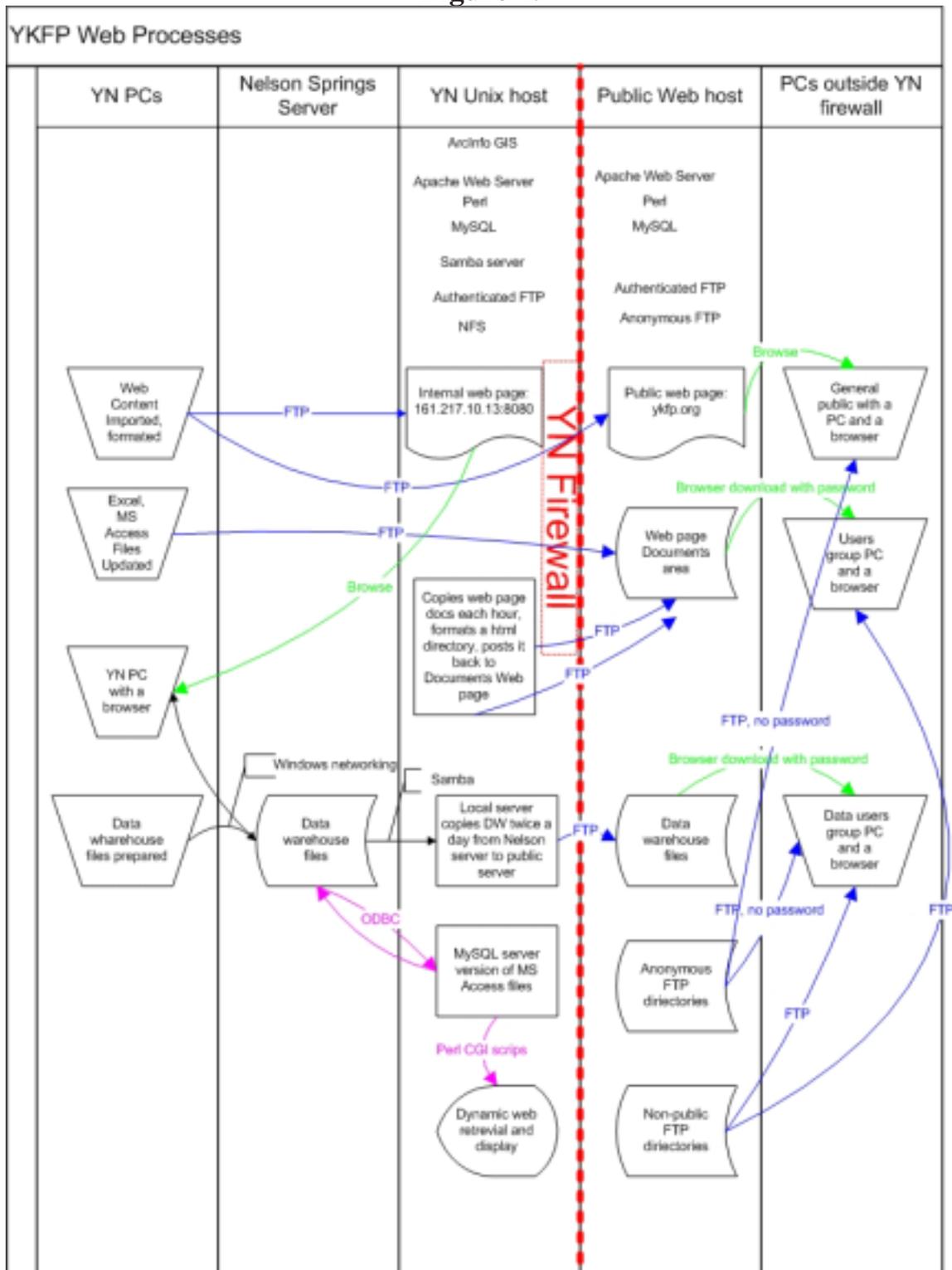


Figure 4.



Appendix A. Layout for Interim Data Warehouse, Version 1.0

Directory / File / Field

\YKFPDataWarehouse\CESRFBroodYearAccounting

Brood Collection and Spawning

RozaCollectionData (Brood fish collected at Roza; from qryDWRozaCollect in
\history\broodstock.mdb)

RozaDate, date of collection at Roza

RozaId, unique id given to fish at Roza

Carcassno, carcass number given at spawn time at CE Hatchery if fish used for brood

PITTag, PIT tag id inserted into brood fish at Roza

JVPITTag, Pit Tag number of tag inserted into this fish when it was a juvenile (if recap)

Status, information about the disposition of this fish, e.g. BRD=collected and used for brood unless a mortality or used in spawning channel, RLS=released and there should be an entry in ReleaseData, etc.

HWFlag, hatchery or wild indicator

Age, age of fish based on scale sample taken at Roza

Sex, sex of fish as guessed by Roza personnel at time of collection

Forklength, fork length at collection time in centimeters

POHlength, Post-eye to hyperal length at collection time in centimeters

Weight, body wt at collection time in kilograms

Scalesmpl, scale card and slot number for scale samples taken from this fish

Injection, Injection data about this fish - type and amount (mls)

Comments, other collection remarks about this fish

PhotoID, name of file given to photo image of this fish (as stored on CD)

Mort, flag indicating whether fish was a mortality or not, if so entry in MortalityData

Channel, flag indicating whether fish was used in spawning channel or not, if so entry in ChannelData

SpawnerData (Production spawners at Cle Elum; from tblSpawner in
\history\broodstock.mdb)

Carcassno, carcass number given at spawn time (true sex is first character of carcassno)

PITTag, PIT tag id inserted into brood fish at Roza

Bodywt, body weight at spawn time in kilograms

Forklgth, fork length at spawn time in centimeters

POHlgth, Post-eye to hyperal length at spawn time in centimeters

MEHlgth, mid-eye to hyperal length at spawn time in centimeters

Comments, other spawn remarks about this fish

DNASample, DNA sample id assigned to this fish

CWT, CWT code found in this fish (if dug and known)

Radio, Radio tag channel and code (if any) found in this fish (format xx-xx or xxx-xxx)

Photo, File name of spawner photograph of this fish (as stored on CD)

ChannelData (Channel spawners at Cle Elum; from tblChannelData in
\history\broodstock.mdb)

SpawnDate, date this fish was placed in spawning channel
DNASample, DNA sample id assigned to this fish
HorW, Hatchery or Wild Indicator
Sex, true sex of this fish
Length, fork length in mm/cm (at time of transfer to channel)
Wt, weight in kilograms (at time of transfer to channel)
PITTag, PIT tag id inserted into brood fish at Roza
PETTag, Peterson disk tag id given to this fish prior to transfer to channel
TransportTime, approximate time fish was transported from holding pond to channel
Condition, Condition of fish prior to placement in the channel
ChannelSection, Channel section identifier
TimeofCollection, Approximate time this fish was sampled, peterson tagged, and
transferred to the channel
EggsLost, Number of eggs lost during sampling and transfer of fish?
EggsRetained, Number of eggs retained after fish spawned in channel
DeadBodyWt, Body weight of carcass after spawning
DeadForkLength, Fork length of carcass after spawning
DeadDate, Date carcass sampled
RetainedTestes, Weight (?) of retained testes after spawning
TestesColor, Color of testes from carcass sample
CWTPlacement, Comments regarding tag location and type found in carcasses of hatchery
channel fish
Comments, other channel remarks about this fish

MortalityData (Prespawn/sort mortalities at Cle Elum; from qryDWMortality in
\history\broodstock.mdb)

RozaDate, date of collection at Roza
RozaId, unique id given to fish at Roza
PITTag, PIT tag id inserted into brood fish at Roza
Sex, true sex of this fish
MortDate, date mortality was recorded (fish may have died before this date)
MortCause, cause of death
Comment, other mortality remarks about this fish

ReleaseData (Brood fish not used and released from Cle Elum near spawn time; from
tblRelease in \history\broodstock.mdb)

RozaDate, date of collection at Roza
RozaId, unique id given to fish at Roza
PITTag, PIT tag id inserted into brood fish at Roza
ReleaseDate, date fish was released back to the Yakima River from CESRF

RadioTag, true/false, if true a radio tag was in fish at time of release

FemaleData (production brood females at Cle Elum; from qryDWFemales in
\history\broodstock.mdb)

Carcassno, carcass number given at spawn time

HWFlag, hatchery or wild indicator

SpawnDate, date this fish was spawned

Totaleggmass, Weight of all the eggs taken from this female (in grams)

Samplewt, Weight of a sample number of eggs taken from this female (in grams)

Samplenoeggs, Number of eggs in sample from this female

Nocrosses, Number of full crosses (number of aliquots) for this female

Egglossskein, Number of eggs left in the skein

Egglosssmp, Number of eggs taken for bio-sampling

Egglossbad, Number of eggs discarded as "bad"

Egglossspill, Number of eggs spilled and unusable for spawning

BKDFlag, Was female flagged as BKD positive?

BKDRank, ELISA rank denoting BKD risk based on USFWS analysis of ovarian fluid
samples

Comment, other remarks specific to spawning/egg take of this female

CrossData (production brood at Cle Elum; from tblCrosses in \history\broodstock.mdb)

FemaleCarcassno, carcass number of female in cross

MaleCarcassno, carcass number of male in cross

Crosspercent, percent of aliquot fertilized by this male

ExperimentalFlag, Was this an experimental cross? If so, 200 eggs in this cross

MaleMotility (1998 brood data only as analyzed by K. Hatch; from tblMotility in
\history\broodstock.mdb)

Carcassno, carcass number of male

Motility, Percentage of sperm observed to be motile

GeneralMetaData (general meta data about this brood; from tblComment in
\history\broodstock.mdb)

SpawnDate

Comment

Eggs to Ponding

FemaleEggCounts (production brood females at Cle Elum; from qryDWEggCounts in
\history\broodstock.mdb)

Carcassno, carcass number given at spawn time

HWFlag, hatchery or wild indicator

UnfertilizedEggs, Number of unfertilized (dead) eggs at eyed-egg shock
TroughID, Incubation trough id for this female's egg ISO-bucket in format yyyyTnnn, where yyyy is brood year
HeathTrayID1, Incubation heath tray id for this female's live eggs in format yyyyHnnnnn, where yyyy is brood year
HtId1Eggs, Number of live eggs in tray 1
HeathTrayID2, Incubation heath tray id for this female's live eggs in format yyyyHnnnnn, where yyyy is brood year
HtId2Eggs, Number of live eggs in tray 2
ShockTempUnits, Temperature units at shock time
Comment, other remarks specific to spawning/egg take of this female

Egg Count Correction Data (Hand Count vs. Machine Count data)
<to be developed>

HeathTrayData (production fish at Cle Elum; from qryDWHeathTrayData in \history\rearing.mdb)

HeathID, Incubation heath tray id
LiveEggs, Number of live eggs in this tray
FryLoss, Total number of fry lost in this tray prior to ponding
PondId, Cle Elum Raceway pond these fish were placed into
FishperPound, Average (for several trays) of fish per pound at ponding
TempUnits, Average (for several trays) temp. units at ponding
Comment, Shock/Fry picking comments

Ponding to Release (includes marking of brood)

BroodTransferandReleaseSummary (pond by pond transfer and release accounting; from tblSiteBYXref in \history\rearing.mdb)

BroodYear,
SiteID, Cle Elum Pond Id
Species, "sck" = spring chinook
Treatment, OCT or SNT
SiteXref, Acclimation Site/Pond Id
PondIn, estimated number of fish transferred from Heath Trays into Cle Elum pond
PondDate, Date fish were placed into Cle Elum pond
AcclIn, estimated number of fish transferred from Cle Elum pond into Acclimation site raceway
AcclDate, Date fish were placed into Acclimation site pond
AcclOut, Number of fish estimated to be alive in Acclimation site raceway available for release (total tagged less total morts)
PITOut, Number of PIT tagged fish estimated to be alive in Acclimation site raceway available for release (Original number PIT tagged less known PIT morts, NOT exit detection counts)

FirstVRDate, Date screens were pulled at acclimation site (date of 1st volitional release)
LastVRDate, Date fish were forced out of acclimation site (date of last volitional release)

GrowthandSurvival (monthly fish on hand, mortality, and weight data; from
qryDWGrowthandSurvival in \history\rearing.mdb)

BroodYear,
SiteID, Cle Elum Pond Id
Treatment, OCT or SNT
InvDate, Month end inventory date
OnHand, Number of fish estimated to be on hand in this pond as of InvDate
Pounds, Estimated total weight of fish on hand in this pond as of InvDate
Morts, Number of documented mortalities for this pond for month ending on InvDate
FoodFed, Total Pounds of food fed for this pond for month ending on InvDate
AvgWt, Average number of fish per pound for this pond for month ending on InvDate
GainPounds, Estimated total pounds of weight gained by all fish in pond since previous
InvDate
SiteXref, Acclimation transfer site and pond Id for these fish

PondLgthSamples (Length histograms for monthly sample data; not yet available)

SiteID, Cle Elum or Acclimation site and pond id
SampleDate, Date of length samples
SamplerID, Initials of head sampler or data entry person
FishLength, Fish length in centimeters
FishNumber, Number of fish in this length strata

PondTemperatures (Monthly average, min, max pond temperature data as reported by CH2M Hill
monitoring equipment and software; not yet available)

SiteID, Cle Elum or Acclimation site and pond id
MEDate, Month-end date
AvgTemp, average pond temperature for the month
MinTemp, minimum pond temperature for the month
MaxTemp, maximum pond temperature for the month

PITTagFileData (from JM/Ptagis query)

H_header_Name, Name of file containing PIT tag data submitted to PTAGIS
H_brood_year, last two digits of brood year
H_raceway_transect, Cle Elum Pond Id
NumberTagged, Number of fish in this pond which were PIT tagged
Dotouts, Number of fish in this pond which morted at some point prior to release
EstimatedNumberReleased, Estimated number of PIT-tagged fish in this pond
released from accl. sites
H_message, additional tagging and ponding data regarding this release

PondMarkData (pond tagging data; from the table DWPondMarkData created by
modLoadDWPondMarkData in \history\rearing.mdb)

SiteID, Cle Elum Pond Id
StartDate, Date that marking started in this pond
EndDate, Date that marking ended in this pond
CWTCODE, Coded-wire tag code used for fish in this pond
TagType, Type of CWT used for fish in this pond
NumberTagged, Number of fish in this pond which were CWT tagged
NumberSorted, Number of sorts/culls from this pond
OCTSNT, denotes left or right Cheek or elastomer eye for Oct/Snt designation
BodyLocation, CWT body location
ElastomerColor, color of elastomer eye tag
Comments, remarks related to marking

QCData (BY97-99 data from CK/SS;BY00 data from tblQCData in BY2000 Rearing.mdb)

ChronoId, Chronological id, e.g., order in which this fish was QC sampled
SiteID, Cle Elum Pond Id
SampleDate, Date of QC samples
SamplerInitials, Initials of head of QC sample team
PITTag, PIT tag id of fish if detected
Length, fork length (millimeters) of this fish if sampled
Weight, Weight (grams) of this fish if sampled
CWTSnout, True/False to denote whether a CWT was found in the snout
ElastomerTag, True/False to denote whether an elastomer eye tag was present
BodyTag, True/False to denote whether a body CWT tag was present
AdClip, True/False to denote whether the adipose fin was clipped
Comments, other remarks about this fish

QCSummary (BY97-99 data from CK/SS;BY00 data from tblQCsumm in BY2000 Rearing.mdb)

SiteID, Cle Elum Pond Id
ElastomerEye, denotes left or right Cheek or elastomer eye for Oct/Snt designation
ElastomerColor, color of elastomer eye tag for this pond
BodyLocation, CWT body location
TagEndDate, Date that marking ended in this pond
QCDate, Date that pond was sampled for quality control
Ntot, the total number of fish in this pond sampled for quality control
Nphys, the number of QC'd fish in this pond sub-sampled for length and weight
AvgLen, the average fork length (mm) of QC fish sub-sample
AvgWt, the average weight (g) of QC fish sub-sample
PITTagCount, the count of fish in this QC sample which had PIT tags detected
 CWTSnoutCount, the count of fish in this QC sample which had CWT detections in the snout
AdiposeClipCount, the count of fish in this QC sample which had an adipose fin clip
 ElastomerTagCount, the count of fish in this QC sample which had elastomer eye tags present
 BodyTagCount, the count of fish in this QC sample which had CWT tags detected in a body location

Juvenile Outmigration (from acclimation sites to Bonneville)

Available via migration year on existing web site, see Graphs, Tabular Details, and OCT/SNT Juvenile Releases in:

\Juvenile Counts\Chandler Juvenile Passage

Chandler and Roza length/weight sample database (data need to be compiled into single database by migration year). Need these data for hatchery/wild length at release comparisons.

ChandlerYYSamples (Chandler juvenile length and weight samples; from tblIndividual in DL ChandlerDataYYYYFinal mdb files)

WaterYear, juvenile outmigration year

CatchDate, date this fish was sampled at Chandler

SpeciesCode, species designator (hatchery/wild indicator is first character of this code)

ForkLength, fork length (millimeters) of this fish

Weight, Weight (grams) of this fish

Remarks, other remarks about this fish

Adult Detections

RecapSumYY (Roza recapture summary tables where YY=brood year; from \AdultSurvival\BYyyyy\RecapSum.xls files)

Large excel file(s) containing summaries of adult recapture data for a given CESRF brood by age, treatment type, acclimation site, and pond. This file summarizes data in RozaYYRecap files for all age-class returns for a given brood year.

(by Age)

ReportedCWTRecoveries (includes reported CWT recoveries from ocean, lower Col. R. and Yak. R. fisheries; from RMIS CWT Recovery queries)

... (dump of entire PSC format into comma-separated value **text** (.txt) file, can be linked by CWT to brood year, pond, and treatment using PondMarkData file above)

BonnPITRYyyyy (Bonneville PIT detections from PTAGIS adult return query where RYyyyy = return year; from qryDWBonnPITRYyyyy in

BroodYearyyyy\Roza\RozaRecap.mdb)

Tag ID, PIT tag code

Fish Type, species description

Tag Site, PTAGIS code for site where fish was tagged

Release Site, PTAGIS code for site where fish was released

Date Released, date the fish was released as entered into PTAGIS

Date Detected, date of detection at Bonneville Dam

AcclID, Acclimation site and pond ID

Treatment, OCT or SNT

GraPITRYyyyy (Lower Granite PIT detections (Snake R. strays) from PTAGIS adult return query where RYyyyy = return year; from qryGRAYakimaR in

BroodYearyyyy\Roza\RozaRecap.mdb)

Tag ID, PIT tag code

Fish Type, species description

Tag Site, PTAGIS code for site where fish was tagged

Release Site, PTAGIS code for site where fish was released

Date Released, date the fish was released as entered into PTAGIS

Date Detected, date of detection at Bonneville Dam

AcclID, Acclimation site and pond ID

Treatment, OCT or SNT

RozaYYRecap (Roza spring chinook adult recapture data for return year YY; from qryDWRozaRcp4 in \history\AdultRecaps.mdb)

RozaDate, date of recapture at Roza

RozaId, unique id given to fish at Roza

JVPITTag, Pit Tag number of tag inserted into this fish when it was a juvenile

Status, should generally be RCP for recapture, if BRD denotes wild PIT recap

Age, age of fish based on scale sample taken at Roza

Sex, sex of fish as guessed by Roza personnel at time of recapture (P=precocial, J=Jack)

Forklength, fork length at recapture time in centimeters

POHlength, POH length at recapture time in centimeters

Weight, body weight at recapture time in kilograms

Scalesmpl, scale card and slot number for scale samples taken from this fish

DNASample, DNA Sample ID for this fish if DNA sample taken

Comments, other remarks about this fish

PhotoID, name of file given to photo image of this fish (as stored on CD)

CWTSnout, Was a CWT found in the snout?

Treatment, denotes left or right Cheek or elastomer eye for Oct/Snt designation if detected/present

BodyLocation, CWT body location if tag detected

ElastomerColor, color of elastomer eye tag if present

YakRYYHarvestRecap (Yakima River sport and tribal harvest samples for return year YY; from qryDWHarvRcp4 in \history\AdultRecaps.mdb)

HarvestDate, Date of harvest

Fishery, S=sport or T=tribal

Age, age of fish from scale sample if taken

Sex, sex of fish if known (J=jack)

JvPITTag, PIT tag code from fish if a recapture and tag was detected/recorded

Forklgth, fork length in centimeters if measured

Weight, weight of fish in pounds as guessed by tribal monitors

WDFWCardCode, Scale card id and slot number from WDFW scale cards

Comments, other remarks

CWTSnout, Was a CWT found in the snout?

OCTSNT, denotes left or right Cheek or elastomer eye for Oct/Snt designation if detected/present

BodyLocation, CWT body location if tag detected

ElastomerColor, color of elastomer eye tag if present

YakRYYSpawnerRecap (Yakima River spawning ground recaptures for return year YY; return year 2000 data from table '2000SpawnCWTRecovs' in \AdultSurvival\SpringChinook\YakimaSpawnSurveyMaster.mdb, other years not yet available)

Date, Date of spawning ground recovery

River, River (Yakima)

Reach, River reach description

CWT, CWT code(s) of fish recovered

Comments, other remarks about this fish

NewCWT, CWT code in 6-digit format matching other parts of database

CLEId, Cle Elum pond number which this fish is from

AcclId, Acclimation site and pond number which this fish is from

Treatment, OCT or SNT

\YKFPDataWarehouse\Yakima River Data Syntheses

SpCkDataBase (Run reconstruction, brood tables, and forecasting data; from \AdultSurvival\SpringChinook\SpCkDataBase.xls)

Summary of historical Yakima river spring chinook returns in several tables contained within a large Excel file. Some meta-data included as comments by cell within these tables. Needs to have additional historical meta-data added and a documentation table added which describes where all the data come from.

Harvest

HarvesttoColRMth (Summary of harvest by wild, hatchery, Oct, and Snt Col. R. mth to Escapement; from \AdultSurvival\SpringChinook\HarvesttoColRMth.xls)

Return Year

Col. R. Mth Run Size (estimated by backing estimated Yak. R. mth run size down river using U.S. v Oregon TAC estimates for Bonn. Through McNary passage rates and Col. R. mth to McNary harvest rates)

ColRMthtoBONHarvest, estimated using TAC harvest rate (assumes Yak. R. fish harvested at same rate as all upriver spring chinook)

PassageLossBONtoYakRMth, estimated using TAC passage loss rates

BONtoMcNaryHarvest, estimated using TAC harvest rate (assumes Yak. R. fish harvested at same rate as all upriver spring chinook)

YakimaRiverMthRunSize, from Yakima River run reconstruction

Harvest of YakR fish from ColRMth to YakRMth

Total

Wild
 CESRF (estimated using YakRMth proportions from Yak. R. run reconstruction)
 OCT (estimated using Roza detection data for all age classes combined)
 SNT (estimated using Roza detection data for all age classes combined)
 Harvest of YakR fish from YakRMth to Esc
 Total
 Wild
 CESRF (from inriver sampling data)
 OCT (estimated using inriver sample data proportions)
 SNT (estimated using inriver sample data proportions)
 Sample Percentages
 OCT (total number of OCT fish in YakR harvest samples)
 SNT (total number of SNT fish in YakR harvest samples)
 Sample Rate (number of fish in YakR harvest samples as a percent of total CESRF
 harvest)

YakRHarvestEstimates (Weekly harvest estimates for Yakima R. tribal [and sport?] fisheries;
deferred – necessary??)

Location, location of monitor sample
 WeekOf, starting date for week of monitoring data
 Hasck, estimated harvest of hatchery adult spring chinook for this week
 Hjsck, estimated harvest of hatchery jack spring chinook for this week
 Wasck, estimated harvest of wild adult spring chinook for this week
 Wjsck, estimated harvest of wild jack spring chinook for this week
 Hsth, estimated harvest of hatchery steelhead for this week
 Wsth, estimated harvest of wild steelhead for this week

Daily Dam Counts by Return Year

ProsserYYSpCk (Prosser spring chinook counts for return year YY; from tblSpringCounts in
\damcounts\ProsserAdult.mdb)

Date, passage date
 Dam, currently blank
 <>, column assigned by access for invalid species code count
 hasck, daily count of hatchery adult spring chinook
 hjsck, daily count of hatchery jack spring chinook
 wasck, daily count of wild adult spring chinook
 wjsck, daily count of wild jack spring chinook
 uasck, daily count of unknown adult spring chinook
 ujsck, daily count of unknown jack spring chinook

RozaYYSpCk (Roza spring chinook counts for return year YY; from tblSpringCounts in
\history\broodstock.mdb)

Date, passage date
 Dam, currently blank

<>, column assigned by access for invalid species code count
hasck, daily count of hatchery adult spring chinook
hjsck, daily count of hatchery jack spring chinook
wasck, daily count of wild adult spring chinook
wjsck, daily count of wild jack spring chinook
brdwasck, daily count of wild adult spring chinook collected for brood stock
brdwjsck, daily count of wild jack spring chinook collected for brood stock
brdhasck, daily count of hatchery adult spring chinook collected for brood stock
brdhjsck, daily count of hatchery jack spring chinook collected for brood stock

Adult Counts (historical, to be constructed)

Dam code, PROsser, ROZa, or COWiche
Passage date, date of passage
Ladder, ladder
Species, denotes spring chinook, fall chinook, steelhead, coho, etc.
HWFlag, hatchery or wild
AJFlag, Adult or jack
Count, daily count for this date, dam, and ladder
Count method, video, trap, window counter, etc.
Count type, raw or expanded

Spawning Ground Surveys

ReddCountTiming (spawning ground survey redd count data for all years 1981-present; from gryDWReddCountTiming2 in \SpawnTiming\YakRSpChin\SpawnTiming.mdb)

River (Yakima, Naches, American, etc.)
SurveyDate, date of spawner survey
SurveyReach (reach description, e.g., rm X to rm Y or X bridge to Y campground, etc.)
SurveySubReach (sub-reach description, if designated)
ReddCount, redd count for this reach for this date
Comments, remarks about survey

SpawnerSamplesYY (spawning ground survey physiological data, YY=return year; from \AdultSurvival\SpringChinook\YakimaSpawnSurveyMaster.mdb)

SurveyDate, date of spawner survey
Species, species designator (hatchery/wild indicator is first character of this code)
River (Yakima, Naches, American, etc.)
Reach (reach description, e.g., rm X to rm Y or X bridge to Y campground, etc.)
Forklength, fork length at recapture time in centimeters
POHlength, Post-eye to hyperal length at recapture time in centimeters
Sex, sex of fish
Age, age of fish based on scale sample
DNASample, DNA Sample ID for this fish if DNA sample taken
Comments, other remarks about this fish

Consultation, Coordination, and Data Sharing

1. Consulted and coordinated with Univ. of Washington Data Access in Real Time (DART) staff regarding making use of their web site and/or tools for reporting Yakima Basin dam counts. Worked on building an historical database of Yakima Basin dam counts (Prosser and Roza) in a format consistent with easy loading to the DART database.+
2. Participated in several MIPT meetings. Issues included: reducing the number of precocials in CESRF production, ponding and growth regimes of BY2002 CESRF production fish, multiple issues relating to the hatchery and wild control lines, Cle Elum post-spawning meeting, and internal project annual review.
3. Developed and presented a paper regarding supplementation activities in the Yakima Basin to the “Propagated Fish in Resource Management” AFS symposium in Boise, Idaho. Peer-reviewed a paper on supplementation for this symposium.
4. Attended APRE and HGMP process meetings and reviewed and updated Yakima Basin data for associated documents.
5. Developed and delivered a presentation on Yakima R. steelhead kelt reconditioning at the regional PSMFC-sponsored PIT Tag Workshop in January of 2004.
6. Prepared a brief report summarizing survival of Yakima basin salmon stocks which out-migrated from the Yakima River in the drought year of 2001 for use in regional dialogues on this subject.
7. Participated in meetings of the Collaborative System-wide Monitoring and Evaluation Project (CSMEP) and began preparation of Yakima Basin data inventories pursuant to this regional effort.
8. Provided data for and review of technical information relating to the regional Biological Opinion Remand Process workgroup sessions.
9. Provided data for and review of technical information relating to the Yakima Subbasin Planning process.
10. Prepared and delivered a training session on use of the regional PTAGIS system for data analysis to tribal (and one University of Idaho) technical staff.

Planning and Reporting

1. Assisted in the review and development of a Yakima Basin coho master plan / project status report.
2. Assisted in the review and development of the 2002 project annual M&E report.
3. Worked with Bill Sharp and Klickitat personnel to develop a draft all-species Master Plan for the Klickitat Basin.
4. Prepared a draft summary report of annual M&E activities related to Yakima Basin spring chinook and the Cle Elum Supplementation and Research Facility including more than 50 tables, 6 figures, and 1 appendix for MIPT review. Discussed report with policy group and MIPT in December, 2003. This report will get major MIPT attention in 2004 with expected completion date of late summer.
5. Assisted in the review and development of comments on the ISAB report on supplementation.

6. Reviewed and updated the Information System Management Plan (ISMP). The updated version is attached as an appendix.

Database Development, Maintenance, and Analysis

1. Developed a database of Yakima Basin adult spring chinook age, sex, and length from trap and spawning surveys dating back to 1986. Imported this data from Access into MySQL. Integrated the database into an existing “share-ware” system for web-based query access. Debugged and tested the system and demonstrated it to YKFP project scientists.
2. Maintained Prosser steelhead kelt database and software including 2003 below Bonneville release. Assisted in the development of reports on the kelt reconditioning work being done at Prosser Hatchery. Developed routines to query the PTAGIS database to capture and produce a PIT detection history report for Yakima Basin kelts trucked and released below Bonneville Dam. Updated the kelt database tracking software documentation to include a description of these routines. Tracked 2002 and 2003 releases from this program through the 2003 adult return migration, updating project scientists on a regular basis. Submitted Dec. 2003 kelt release PIT data to regional PTAGIS database. Prepared 2004 kelt data capture database.
3. Maintained spring chinook databases and software (brood/recapture, harvest, spawning, rearing, and juvenile migration) including data capture, quality control, incorporation of data from other agencies (e.g. USFWS fish health data, NMFS precocial and spawner survey data, etc.) to ensure data are comprehensive, consistent, accurate, and up-to-date.
4. Prepared data capture systems for 2003 Cle Elum spring chinook spawning, participated in weekly spawning activities, with main responsibility for data entry, quality control review of data, processing and archiving of photographs, and sending out weekly summaries of spawning activities.
5. Analyzed data capture database for 2003 Cle Elum spring chinook spawning to produce summary reports for the season and assist in pairing the 2003 brood fish for placement in incubation trays and rearing ponds. Organized Cle Elum spawning photos, made copies on CD, and mailed out to WDFW for morphometric analysis.
6. Compiled and summarized all 2003 adult spring chinook return and spawning data for the Yakima Basin. Prepared and delivered 2004 adult spring chinook forecast.
7. Prepared brood collection schedule and data capture system for 2004 Roza spring chinook trapping operation.
8. Prepared and maintained data capture systems for 2003 fall chinook and coho operations including Prosser Denil and radio telemetry tracking system which incorporates periodic updates of Yakima Basin radio tagged fish on Univ. of Idaho maintained transceivers throughout the Columbia Basin. Submitted PIT tag recapture data from Prosser Denil sampling to regional PTAGIS database. Compiled and summarized all 2003 adult fall chinook and coho return and spawning data for the Yakima Basin.
9. Submitted mark (CWT or PIT) data for all Yakima River releases and recaptures to regional databases (RMIS and PTAGIS) in a consistent and timely manner. Performed routine quality control procedures on these data and made corrections as necessary to ensure the accuracy of these data.

10. Conducted database retrieval and analyses to assist in answering queries from MIPT/STAC and various outside agencies. Examples included: juvenile-adult and adult-adult survival data, juvenile growth profiles, WDFW selective fishery evaluation study and Univ. of Idaho Radio tag recaptures at Roza Dam, BOR steelhead radio tracking above Roza Dam, etc.
11. Developed run reconstruction tables for Klickitat Basin fall chinook, coho, and steelhead. Updated existing run reconstruction information for Klickitat spring chinook.
12. Assisted in the preliminary analysis of juvenile migration data from the predator avoidance training (PAT) experiment (brood year 2001 fish which migrated from Easton in 2003).
13. Assisted with avian predation monitoring and surveys, data analysis and preparation, and reviewing reports.
14. Reviewed PIT recapture data collected by Zone 6 tribal fall season fishery monitors, formatted the data and submitted to the regional PTAGIS database.
15. Began development of a database for storage of necessary information to allow quick retrieval of YKFP technical reports and publications from various locations via the internet.
16. Routine maintenance of other databases including: Prosser dam counts, spawner survey carcass samples (including data from NOAA surveys), spawn timing, Roza steelhead sampling data capture system, and Yakima Basin spring chinook harvest management. Regular backup of the automated Cle Elum water use reporting database.
17. Began consultation on development of a data capture system for Methow summer chinook screw trap operation.

Equipment and Web Site Maintenance

1. Worked with the Policy Group, Cle Elum hatchery personnel, and Technical Systems Incorporated to develop a maintenance plan and agreement for the physical systems data capture hardware and software at Cle Elum and the acclimation sites. Identified a portable to use as an upgrade for the on-site PC needed to periodically communicate with the PLC and worked with the Cle Elum hatchery manager and TSI staff to get this portable configured appropriately for this job.
2. Performed routine equipment maintenance (troubleshooting, hardware/software installation and maintenance) at all sites (Nelson, Cle Elum, Roza, Prosser, and GIS server system in Toppenish).
3. Performed routine maintenance of the YKFP web site including assisting users with their accounts and passwords, and adding and fixing links to YKFP technical reports and publications. Due to problems with programs terminating abnormally on our old web host at Serval Systems and threatening our user password database, alternative hosts were evaluated. An alternative was selected to provide more disk space, better technical support, more database power, and more connection options for the same price. The web site was migrated over to the new server and our site domain registration was transferred without major problems. The new web host is also being used to provide a YKFP email address to the Klickitat Field Office staff. A script was developed to provide an upload page to allow potential contractors to submit bids and to allow agencies to contribute their edits and comments to planning documents.

4. Prepared juvenile and adult migration reports for Roza, Chandler, and Prosser and posted updates of these counts routinely to the YKFP web site.
5. Assisted in transitioning juvenile PIT tagging stations from PITTag2 software to the new P3 software. This required identification, procurement, and testing of new hardware interfaces to the digitizer tablet, scale, and PIT tag reader.
6. Assured that automated routines were working correctly to back up all project critical databases and reports on a regular basis.
7. Investigated options for funding installation of adult PIT detection equipment at Prosser Dam. Prepared draft letters for review by the policy group relative to this issue.

GIS Mapping

1. Assisted the Klickitat office with the White Creek Roads Assessment and development of a surface model for the Trout Creek area.
2. Assisted in the interview of potential contractors and provided the contractors with air photos and map layers for the area.
3. Assisted in troubleshooting the development of a surface model of the Diamond Meadows area from survey points.
4. Developed some maps of the Medicine Valley area with the color 2002 air photos for the Hoptowit-Hubbard Project.
5. Developed some maps of the Stiles Ponds area with color air photos and contour lines for a proposal to realign some back channels.
6. Created 3 conceptual site maps with contour lines and air photos of proposed acclimation ponds for the Klickitat Master Plan.
7. Created 3 maps of Methow steelhead distribution and production facilities.
8. Worked with YN fisheries personnel on Subbasin planning issues and sent appropriate GIS files to the subbasin planning GIS consultant.

Note: The majority of Klickitat basin-specific data management activities are covered in a separate report pursuant to Klickitat contract(s).

Summary of Data Management Major Accomplishments for April 1, 2003 through June 30, 2003.

1. Consulted and coordinated with Univ. of Washington Data Access in Real Time (DART) staff regarding making use of their web site and/or tools for reporting Yakima Basin dam counts. Worked on building an historical database of Yakima Basin dam counts (Prosser and Roza) in a format consistent with easy loading to the DART database.
2. Developed a database of Yakima Basin adult spring chinook age, sex, and length from trap and spawning surveys dating back to 1986. Imported this data from Access into MySQL. Integrated the database into an existing “share-ware” system for web-based query access. Debugged and tested the system and demonstrated it to YKFP project scientists.

3. Participated in several MIPT meetings. Issues included: reducing the number of precocials in CESRF production, ponding and growth regimes of BY2002 CESRF production fish, and multiple issues relating to the hatchery and wild control lines.
4. Developed and presented a paper regarding supplementation activities in the Yakima Basin to the “Propagated Fish in Resource Management” AFS symposium in Boise, Idaho.
5. Assisted in the development of reports on the kelt reconditioning work being done at Prosser Hatchery. Developed routines to query the PTAGIS database to capture and produce a PIT detection history report for Yakima Basin kelts trucked and released below Bonneville Dam. Updated the kelt database tracking software documentation to include a description of these routines.
6. Assisted in the review and development of a Yakima Basin coho master plan / project status report.
7. Worked with the Policy Group, Cle Elum hatchery personnel, and Technical Systems Incorporated to develop a maintenance plan and agreement for the physical systems data capture hardware and software at Cle Elum and the acclimation sites.
8. Developed run reconstruction tables for Klickitat Basin fall chinook, coho, and steelhead. Updated existing run reconstruction information for Klickitat spring chinook.
9. Worked with Bill Sharp and Klickitat personnel to develop a draft all-species Master Plan for the Klickitat Basin. Provided three maps with contour lines and air photos of proposed acclimation sites for the Master Plan.
10. GIS mapping: Assisted the Klickitat office with the White Creek Roads Assessment and development of a surface model for the Trout Creek area. Assisted in the interview of potential contractors and provided the contractors with air photos and map layers for the area. Assisted in troubleshooting the development of a surface model of the Diamond Meadows area from survey points. Developed some maps of the Medicine Valley area with the color 2002 air photos for the Hoptowit-Hubbard Project. Developed some maps of the Stiles Ponds area with color air photos and contour lines for a proposal to realign some back channels.
11. Attended APRE and HGMP process meetings and reviewed and updated Yakima Basin data for associated documents.
12. Maintained spring chinook databases and software (brood/recapture, harvest, spawning, rearing, and juvenile migration) including data capture, quality control, incorporation of data from other agencies (e.g. USFWS fish health data, NMFS precocial and spawner survey data, etc.) to ensure data are comprehensive, consistent, accurate, and up-to-date.
13. Maintained Prosser steelhead kelt database and software including 2003 below Bonneville release.
14. Submitted mark (CWT or PIT) data for all Yakima River releases and recaptures to regional databases (RMIS and PTAGIS) in a consistent and timely manner.
15. Conducted database retrieval and analyses to assist in answering queries from MIPT/STAC and various outside agencies. Examples included: juvenile-adult and adult-adult survival data, juvenile growth profiles, WDFW hog tag and Univ. of Idaho Radio tag recaptures at Roza Dam, etc.
16. Performed routine equipment maintenance (troubleshooting, hardware/software installation and maintenance) at all sites (Nelson, Cle Elum, Roza, Prosser, and GIS server system in Toppenish).

17. Performed routine maintenance of the YKFP web site including assisting users with their accounts, and adding and fixing links to YKFP technical reports and publications.
18. Assisted in the review and development of comments on the ISAB report on supplementation.

Klickitat Basin Specific Major Accomplishments for April 1, 2003 through June 30, 2003.

1. Temperature data has been collected at 35 locations within the basin since the mid 1990s (31 water temperature and 4 Air Temperature). Up until this year all this data has resided in Excel spread sheets. In the First Quarter of 2003 a Relational Database was modeled and created in Access to organize and store this data. The data from 1998 through 2002 was error checked and imported into the Hobo3.mdb. In the second quarter of this year all the earlier data 1996–1997 was error checked and moved into this data base.
2. The Ecosystem Diagnostics and Treatment System (EDT) is being actively applied to the Klickitat Basin. As an offshoot of the organization of the thermo data, the EDT reaches for which temperature data has been collected were identified. The temperature data was queried, placed into spreadsheets and formatted to allow an automated application to calculate max temperature ratings needed for the EDT model.
3. The Development of a Timber Fish and Wildlife database (TFW.mdb) for habitat assessment is an ongoing project at the Klickitat Field Office (KFO). In the second quarter of this year many modifications of tables, forms, and reports have occurred to accommodate evolving research, data storage and retrieval needs.
4. During the second quarter extensive data modeling was applied to the Measurement and Evaluation (M&E) information needs of the KFO. Some of the components of such a system were identified as Temperature, Screw Trap, and Spawning information. The immediacy of ongoing data collection needs and the complexity of modeling a comprehensive system led to the decision to develop the components independently, with the intention of linking them together at some later date.
5. The Data Modeling of the Screw Trap Database was completed this quarter and ScrewTrap1.mdb was created. A data input form was developed to allow technicians to enter the data in a format very similar to that of the data collection forms filled out at the traps. Beta testing of this form is ongoing.
6. Historically screw trap data has been stored in excel spreadsheets in assorted files and formats on various computers. At present the screw trap data from June 2001 through present is being evaluated with respect to the manipulations required to import this data into the new database. This process is expected to be completed and this data imported in the third quarter of 2003. The usefulness of retrieving and importing older data will have to be evaluated as it is located.
7. The ongoing technical support of a network of seven to ten computers, a wide assortment of peripheral devices, and multiple software applications demands at least 10-20

percent of the Data Managers time at the KFO. Resolving unforeseen technical difficulties and performing preventative maintenance is a routine and integral part of this job.

8. A few days a month were spent in the field, observing data collection techniques. This allows a better understanding of the work that data management is meant to support.

Summary of Data Management Major Accomplishments for Oct. 1, 2003 through Dec. 31, 2003.

1. Participated in several MIPT meetings. Issues included: Cle Elum post-spawning meeting and internal project annual review.
2. Developed a presentation on Yakima R. steelhead kelt reconditioning for presentation at the regional PIT Tag Workshop in January of 2004.
3. Continued management of kelt reconditioning databases including tracking of 2002 and 2003 releases through the 2003 adult return migration and processing and summarizing data from the December 2003 kelt release. Submitted Dec. '03 kelt release PIT data to regional PTAGIS database.
4. Worked with Cle Elum hatchery personnel and Technical Systems Incorporated to review maintenance plan for the physical systems data capture hardware and software at Cle Elum and the acclimation sites. Identified a portable to use as an upgrade for the on-site PC needed to periodically communicate with the PLC and worked with the Cle Elum hatchery manager and TSI staff to get this portable configured appropriately for this job.
5. Continued to work with Bill Sharp and Klickitat personnel to develop and refine a draft all-species Master Plan for the Klickitat Basin.
6. GIS mapping: Created 3 conceptual site maps of acclimation ponds for the Klickitat Master Plan. Created 3 maps of Methow steelhead distribution and production facilities. Worked with YN fisheries personnel on Subbasin planning issues and sent appropriate GIS files to the subbasin planning GIS consultant.
7. Reviewed and updated Yakima Basin HGMP data.
8. Continued to develop and refine a draft summary report synthesizing all M&E activities related to Yakima Basin spring chinook and the Cle Elum Supplementation and Research Facility including >50 tables, 6 figures, and 1 appendix. Discussed report with policy group and MIPT in December. This report will get major MIPT attention in 2004 with expected completion date of late summer.
9. Maintained spring chinook databases and software (harvest, spawning, rearing, and juvenile migration) including data capture, quality control, incorporation of data from other agencies (e.g. USFWS fish health data, NMFS precocial and spawner survey data, etc.) to ensure data are comprehensive, consistent, accurate, and up-to-date.
10. Maintained data capture systems for 2003 fall chinook and coho operations including Prosser Denil and radio telemetry tracking system which incorporates periodic updates of Yakima Basin radio tagged fish on Univ. of Idaho maintained transceivers throughout the Columbia Basin. Submitted PIT tag recapture data from Prosser Denil sampling to regional PTAGIS database.
11. Uploaded all YKFP-project related juvenile PIT tag data to regional PTAGIS database. Performed routine quality control procedures on these data and made corrections as necessary to ensure the accuracy of these data.
12. Assisted with avian predation monitoring and surveys, data analysis and preparation, and reviewing reports.
13. Analyzed data capture database for 2003 Cle Elum spring chinook spawning to produce summary reports for the season and assist in pairing the 2003 brood fish for

- placement in incubation trays and rearing ponds. Organized Cle Elum spawning photos, made copies on CD, and mailed out to WDFW for morphometric analysis.
14. Compiled and summarized all 2003 adult spring chinook return and spawning data for the Yakima Basin. Prepared and delivered 2004 adult spring chinook forecast.
 15. Performed routine equipment maintenance (troubleshooting, hardware/software installation and maintenance) at all sites (Nelson, Cle Elum, Roza, Prosser, and GIS server system in Toppenish).
 16. Performed routine maintenance of the YKFP web site including assisting users with their accounts and passwords, and adding and fixing links to YKFP technical reports and publications. Due to problems with programs terminating abnormally on our old web host at Serval Systems and threatening our user password database, we evaluated alternative hosts and selected one that gave us more disk space, better technical support, more database power, and more connection options for the same price. We migrated our web site over to the new server and transferred our domain registration without major problems. We're using the new web host to provide a YKFP email address to the Klickitat Field Office staff. Developed a script to provide an upload page to allow potential contractors to submit bids and to allow agencies to contribute their edits and comments to planning documents.
 17. Assisted in the preliminary analysis of juvenile migration data from the predator avoidance training (PAT) experiment (brood year 2001 fish which migrated from Easton in 2003).
 18. Prepared a brief report summarizing survival of Yakima basin salmon stocks which out-migrated from the Yakima River in the drought year of 2001 for use in regional dialogues on this subject.
 19. Assisted in transitioning juvenile PIT tagging stations from PITTag2 software to the new P3 software. This required identification, procurement, and testing of new hardware interfaces to the digitizer tablet, scale, and PIT tag reader.
 20. Reviewed PIT recapture data collected by Zone 6 tribal fall season fishery monitors, formatted the data and submitted to the regional PTAGIS database.

Note: Klickitat basin-specific data management activities are covered in a separate quarterly report.

Summary of Data Management Major Accomplishments for Apr. 1, 2003 through Mar. 31, 2004.

Consultation, Coordination, and Data Sharing

1. Consulted and coordinated with Univ. of Washington Data Access in Real Time (DART) staff regarding making use of their web site and/or tools for reporting Yakima Basin dam counts. Worked on building an historical database of Yakima Basin dam counts (Prosser and Roza) in a format consistent with easy loading to the DART database.
2. Participated in several MIPT meetings. Issues included: reducing the number of precocials in CESRF production, ponding and growth regimes of BY2002 CESRF production fish, multiple issues relating to the hatchery and wild control lines, Cle Elum post-spawning meeting, and internal project annual review.
3. Developed and presented a paper regarding supplementation activities in the Yakima Basin to the "Propagated Fish in Resource Management" AFS symposium in Boise, Idaho. Peer-reviewed a paper on supplementation for this symposium.
4. Attended APRE and HGMP process meetings and reviewed and updated Yakima Basin data for associated documents.
5. Developed and delivered a presentation on Yakima R. steelhead kelt reconditioning at the regional PSMFC-sponsored PIT Tag Workshop in January of 2004.
6. Prepared a brief report summarizing survival of Yakima basin salmon stocks which out-migrated from the Yakima River in the drought year of 2001 for use in regional dialogues on this subject.
7. Participated in meetings of the Collaborative System-wide Monitoring and Evaluation Project (CSMEP) and began preparation of Yakima Basin data inventories pursuant to this regional effort.
8. Provided data for and review of technical information relating to the regional Biological Opinion Remand Process workgroup sessions.
9. Provided data for and review of technical information relating to the Yakima Subbasin Planning process.
10. Prepared and delivered a training session on use of the regional PTAGIS system for data analysis to tribal (and one University of Idaho) technical staff.

Planning and Reporting

11. Assisted in the review and development of a Yakima Basin coho master plan / project status report.
12. Assisted in the review and development of the 2002 project annual M&E report.
13. Worked with Bill Sharp and Klickitat personnel to develop a draft all-species Master Plan for the Klickitat Basin.
14. Prepared a draft summary report of annual M&E activities related to Yakima Basin spring chinook and the Cle Elum Supplementation and Research Facility including more than 50 tables, 6 figures, and 1 appendix for MIPT review. Discussed report with policy group and MIPT in December, 2003. This report will get major MIPT attention in 2004 with expected completion date of late summer.

15. Assisted in the review and development of comments on the ISAB report on supplementation.
16. Reviewed and updated the Information System Management Plan (ISMP). The updated version is attached as an appendix.

Database Development, Maintenance, and Analysis

17. Developed a database of Yakima Basin adult spring chinook age, sex, and length from trap and spawning surveys dating back to 1986. Imported this data from Access into MySQL. Integrated the database into an existing “share-ware” system for web-based query access. Debugged and tested the system and demonstrated it to YKFP project scientists.
18. Maintained Prosser steelhead kelt database and software including 2003 below Bonneville release. Assisted in the development of reports on the kelt reconditioning work being done at Prosser Hatchery. Developed routines to query the PTAGIS database to capture and produce a PIT detection history report for Yakima Basin kelts trucked and released below Bonneville Dam. Updated the kelt database tracking software documentation to include a description of these routines. Tracked 2002 and 2003 releases from this program through the 2003 adult return migration, updating project scientists on a regular basis. Submitted Dec. 2003 kelt release PIT data to regional PTAGIS database. Prepared 2004 kelt data capture database.
19. Maintained spring chinook databases and software (brood/recapture, harvest, spawning, rearing, and juvenile migration) including data capture, quality control, incorporation of data from other agencies (e.g. USFWS fish health data, NMFS precocial and spawner survey data, etc.) to ensure data are comprehensive, consistent, accurate, and up-to-date.
20. Prepared data capture systems for 2003 Cle Elum spring chinook spawning, participated in weekly spawning activities, with main responsibility for data entry, quality control review of data, processing and archiving of photographs, and sending out weekly summaries of spawning activities.
21. Analyzed data capture database for 2003 Cle Elum spring chinook spawning to produce summary reports for the season and assist in pairing the 2003 brood fish for placement in incubation trays and rearing ponds. Organized Cle Elum spawning photos, made copies on CD, and mailed out to WDFW for morphometric analysis.
22. Compiled and summarized all 2003 adult spring chinook return and spawning data for the Yakima Basin. Prepared and delivered 2004 adult spring chinook forecast.
23. Prepared brood collection schedule and data capture system for 2004 Roza spring chinook trapping operation.
24. Prepared and maintained data capture systems for 2003 fall chinook and coho operations including Prosser Denil and radio telemetry tracking system which incorporates periodic updates of Yakima Basin radio tagged fish on Univ. of Idaho maintained transceivers throughout the Columbia Basin. Submitted PIT tag recapture data from Prosser Denil sampling to regional PTAGIS database. Compiled and summarized all 2003 adult fall chinook and coho return and spawning data for the Yakima Basin.

25. Submitted mark (CWT or PIT) data for all Yakima River releases and recaptures to regional databases (RMIS and PTAGIS) in a consistent and timely manner. Performed routine quality control procedures on these data and made corrections as necessary to ensure the accuracy of these data.
26. Conducted database retrieval and analyses to assist in answering queries from MIPT/STAC and various outside agencies. Examples included: juvenile-adult and adult-adult survival data, juvenile growth profiles, WDFW selective fishery evaluation study and Univ. of Idaho Radio tag recaptures at Roza Dam, BOR steelhead radio tracking above Roza Dam, etc.
27. Developed run reconstruction tables for Klickitat Basin fall chinook, coho, and steelhead. Updated existing run reconstruction information for Klickitat spring chinook.
28. Assisted in the preliminary analysis of juvenile migration data from the predator avoidance training (PAT) experiment (brood year 2001 fish which migrated from Easton in 2003).
29. Assisted with avian predation monitoring and surveys, data analysis and preparation, and reviewing reports.
30. Reviewed PIT recapture data collected by Zone 6 tribal fall season fishery monitors, formatted the data and submitted to the regional PTAGIS database.
31. Began development of a database for storage of necessary information to allow quick retrieval of YKFP technical reports and publications from various locations via the internet.
32. Routine maintenance of other databases including: Prosser dam counts, spawner survey carcass samples (including data from NOAA surveys), spawn timing, Roza steelhead sampling data capture system, and Yakima Basin spring chinook harvest management. Regular backup of the automated Cle Elum water use reporting database.
33. Began consultation on development of a data capture system for Methow summer chinook screw trap operation.

Equipment and Web Site Maintenance

34. Worked with the Policy Group, Cle Elum hatchery personnel, and Technical Systems Incorporated to develop a maintenance plan and agreement for the physical systems data capture hardware and software at Cle Elum and the acclimation sites. Identified a portable to use as an upgrade for the on-site PC needed to periodically communicate with the PLC and worked with the Cle Elum hatchery manager and TSI staff to get this portable configured appropriately for this job.
35. Performed routine equipment maintenance (troubleshooting, hardware/software installation and maintenance) at all sites (Nelson, Cle Elum, Roza, Prosser, and GIS server system in Toppenish).
36. Performed routine maintenance of the YKFP web site including assisting users with their accounts and passwords, and adding and fixing links to YKFP technical reports and publications. Due to problems with programs terminating abnormally on our old web host at Serval Systems and threatening our user password database, alternative hosts were evaluated. An alternative was selected to provide more disk space, better

- technical support, more database power, and more connection options for the same price. The web site was migrated over to the new server and our site domain registration was transferred without major problems. The new web host is also being used to provide a YKFP email address to the Klickitat Field Office staff. A script was developed to provide an upload page to allow potential contractors to submit bids and to allow agencies to contribute their edits and comments to planning documents.
37. Prepared juvenile and adult migration reports for Roza, Chandler, and Prosser and posted updates of these counts routinely to the YKFP web site.
 38. Assisted in transitioning juvenile PIT tagging stations from PITTag2 software to the new P3 software. This required identification, procurement, and testing of new hardware interfaces to the digitizer tablet, scale, and PIT tag reader.
 39. Assured that automated routines were working correctly to back up all project critical databases and reports on a regular basis.
 40. Investigated options for funding installation of adult PIT detection equipment at Prosser Dam. Prepared draft letters for review by the policy group relative to this issue.

GIS Mapping

41. Assisted the Klickitat office with the White Creek Roads Assessment and development of a surface model for the Trout Creek area.
42. Assisted in the interview of potential contractors and provided the contractors with air photos and map layers for the area.
43. Assisted in troubleshooting the development of a surface model of the Diamond Meadows area from survey points.
44. Developed some maps of the Medicine Valley area with the color 2002 air photos for the Hoptowit-Hubbard Project.
45. Developed some maps of the Stiles Ponds area with color air photos and contour lines for a proposal to realign some back channels.
46. Created 3 conceptual site maps with contour lines and air photos of proposed acclimation ponds for the Klickitat Master Plan.
47. Created 3 maps of Methow steelhead distribution and production facilities.
48. Worked with YN fisheries personnel on Subbasin planning issues and sent appropriate GIS files to the subbasin planning GIS consultant.

Note: The majority of Klickitat basin-specific data management activities are covered in a separate report pursuant to Klickitat contract(s).

ATTACHMENT B

Legal/Policy Analyst Summary Report, 1st Quarter, May 1-June 30, 2003

Legal/Policy Analyst Contract Activities, 2nd Quarter, July 1,-September 30, 2003

Legal/Policy Analyst Contract Activities, 3rd Quarter, October - December 30, 2003

**Legal/Policy Analyst Contract Activities 4th Quarter/Annual January 1-March 31,
2004**

Legal/Policy Analyst 1st Quarter Activities April 30, 2003 through June 30, 2003

1. Policy Group Participation

The Legal/Policy Analyst ("the Analyst") provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group meetings addressing matters related to precocialism and domestication selection research tasks for supplementation facilities at Cle Elum and Prosser and compliance with ESA constraints on activities supported by BPA funds. The Analyst also participated in interagency and tribal work sessions regarding the resolution of precocialism and domestication selection research issues. Policy analysis activities also addressed BPA funding and contracting policies with respect to fish and wildlife impact mitigation activities. The Analyst participated in discussion regarding the design and permitting of the proposed Nelson Springs Monitoring and Evaluation Facility.

2. YKFP Third Party Contract and Acquisition Procedure Development Support

The Analyst assisted YKFP staff in the development of procurement contract documents to comply with federal procurement rules regarding construction and consulting services. In addition the Analyst continued to provide numerous legal reviews of contract and real estate conveyance documents developed to implement YKFP activities in the Yakima Basin and assisted in the negotiation of such transactions, including the negotiation of intergovernmental agreements.

3. CESRF Operational Compliance Support

The Analyst reviewed water quality regulations and permit requirements and advised YKFP staff regarding management of spent tricaine (fish anesthetic) solution batches at the Roza facility.

4. Safe Access Program Support

The Analyst continued assistance to YKFP staff for development of agreements between BPA, landowners and the YKFP in order to implement the Safe Access program. The Analyst also consulted with staff regarding strategies for leading with

funding issues related to the Safe Access Program and related contract negotiation requirements..

5. Side Channels Program Support

The YKFP Side channels program requires development of an agreement for joint development of instream grade control structure with the City of Cle Elum. The Analyst assisted YKFP staff in the development of an agreement and in negotiations with the city regarding alternative means of funding side channel property acquisition.

The program required the coordination of the escrow agent, landowners and Tribal administrative staff in order to prosecute the closing of pending acquisitions of habitat in the lower Naches river vicinity. The Analyst provided continuing counsel and assistance in the closing process and resolution of issues raised with respect to title and access uncertainties, and coordinated with all parties regarding the legal requirements for closing.

6. Water Rights Management for the CESRF

Continued consultation with BPA and YKFP staff regarding requirements for compliance with CESRF water rights permits, particularly with regard to ongoing collection and reporting of observation well data.

ATTACHMENT B

Legal/Policy Analyst Contract Activities, 2nd Quarter, July 1-September 30, 2003

1. Policy Group Participation and Policy Support

The Legal/Policy Analyst (the Analyst) provided analysis and counsel to the YKFP policy Group through participation in monthly Policy Group Meetings. The Analyst also participated in interagency and tribal work sessions regarding the resolution of precocialism and domestication selection research issues. Policy analyses activities addressed BPA funding and contracting policies with respect to fish and wildlife impact mitigation activities and YKFP organizational structure. The Analyst participated in discussions regarding the design and permitting of the propose Nelson Springs Monitoring and Evaluation Facility and master plan requirements for the facility..

2. YKFP Third Party Contract and Acquisition Procedure Development Support

The Analyst assisted YKFP staff in the development of procurement contract documents to comply with federal procurement rules regarding construction and consulting services. In addition, the Analyst continued to provide numerous legal reviews of contract and real estate conveyance documents developed to implement YKFP activities sin the Yakima Basin and assisted in the negotiation of such transactions including the negotiation of intergovernmental agreements.

3. Safe Access Program Support

The Analyst continued assistance to YKFP staff for development of agreements between BPA, landowners and the YKFP in order to implement the Safe Access Program. The Analyst also consulted with staff regarding strategies for dealing with funding issues related to the Safe Access Program and related contract negotiation requirements.

4. Side Channels Program Support

The YKFP Side channels program requires development of an agreement and construction contract documents for joint development of instream grade control structure with the City of Cle Elum. The Analyst assisted YKFP staff in the development of an agreement and contract documents. The Analyst also assisted in negotiations with the city regarding the alternative means of funding side channel property acquisition and with responsible bidders regarding related construction activities.

The program required the coordination of the escrow agent, landowners and tribal administrative staff in order to prosecute the closing of pending acquisitions of habitat in the lower Naches river vicinity. The Analyst provided continuing counsel and assistance in the closing process and resolution of issues raised with respect to title and access uncertainties and coordinated with all parties regarding the legal requirements for closing.

5. Water Rights Management for the CESRF

Continued consultation with BPA and YKFP staff regarding requirements for compliance with CESRF water rights permits, particularly with regard to ongoing collection and reporting of observation well data.

Legal/Policy Analyst Contract Activities October 2003 through December 2003

1. Policy Group Participation and Policy Support

The Legal/Policy Analyst ("the Analyst") provided analysis and counsel to the YKFP Policy Group through participation in monthly Policy Group. Policy analysis activities addressed BPA funding and contracting policies with respect to fish and wildlife impact mitigation activities. The Analyst participated in Program Status Review meetings on behalf of the YKFP. The Analyst participated in the Internal Project Annual Review meetings and provided counsel re: carrying capacity limitation issues.

2. YKFP Third Party Contract and Acquisition Procedure Development Support

The Analyst assisted YKFP staff in the development of procurement contract documents to comply with applicable procurement objectives and rules regarding construction and consulting services. The assistance included development of intergovernmental contract documents. In addition, the Analyst continued to provide numerous legal reviews of contract and real estate conveyance documents developed to implement YKFP activities in the Yakima Basin, and assisted in the negotiation of such transactions, including the negotiation of intergovernmental agreements.

3. Safe Access Program Support

The Analyst continued assistance to YKFP staff for development of agreements between BPA, landowners and the YKFP in order to implement the Safe Access program. Research also included Endangered Species Act implications for Bureau of Reclamation properties that impair fish access. The Analyst also consulted with staff regarding strategies for dealing with funding issues related to the Safe Access Program and related contract negotiation requirements. The Analyst reviewed and commented on agreement proposals for Manastash Creek diversion consolidations and project oversight.

5. Sidechannels Program Support

The Analyst provided continuing counsel and assistance in the closing process for the acquisition of lower Naches properties and resolution of issues raised with respect to title and access uncertainties.

6. Water Rights Management for the Prosser Hatchery.

The Analyst review the water rights history for the Prosser Hatchery and coordinated with YKFP staff on strategies for groundwater use authorizations. The Analyst reviewed well logs and operational requirements at the Hatchery, and drafted groundwater rights applications.

7. Employee Safety Advice.

The Analyst reviewed occupational safety requirement related to employees working on screw traps and advised YKFP managers accordingly

ATTACHMENT B

Legal/Policy Analyst Contract Activities January 1, 2004 through March 31, 2004

The Legal/Policy Analyst responsibilities are to advise management on the benefits and risks associated with actions considered by the decision-makers. Through this contract performance period, the L/PA maintained a close working relationship by attending/participating in meetings that pertain to the Project, reviewing laws and regulations that affect the YKFP and participated in the planning/development process for the Project. His services have proven to be very beneficial to the YKFP.

In summary, during this contract period for FY2004, the Legal/Policy Analyst (L/PA) provided the following services to the YKFP:

1. Assisted the PAPC and the YKFP Policy Group in project administration and management.
2. Analyzed applicable laws, rules and regulations pertaining to Project funding, water rights, NEPA, SEPA, ESA, and other environmental compliance requirements.
3. Advised PAPC and Policy Group as to the matters identified above.
4. Assisted in the preparation of NEPA and SEPA and other compliance documents.
5. Assisted in the development of regulatory permit applications.
6. Supported the development and maintenance of intergovernmental relationships between the Yakama Nation, BPA, WDFW, NPPC, and local governments.
7. Reviewed, negotiated and prepared project contracts and agreements.
8. Attended Policy Group meetings and other key YKFP meetings, as requested, and advised PAPC and Policy Group regarding issues discussed.
9. Attended regional meetings wherein the topics discussed could affect YKFP activities.
10. Advised and assisted the PAPC with regard to issues of concern related to YKFP.

Specifically, the L/PA performed tasks in the following major areas:

- 1. Cle Elum Supplementation and Research Facility (CESRF).** The Independent Scientific Review Panel (ISRP) provided comment on funding for YKFP monitoring and evaluation regarding domestication selection resulting from CESRF supplementation activities. In response to ISRP comments, the YKFP developed a modification of the experimental design at the CESRF to address the variable rates of domestication selection among hatchery, supplementation and wild fish stocks. The Analyst participated in the process of formulating the domestication selection research project, including the analysis of the role of ISRP comments in program management, as well as modification

of project descriptions and related budgets as necessary to support the revised research program. In addition to the domestication research activities, the Analyst assisted CESRF staff in the review, monitoring and reporting of water quality and 404 permit compliance. The Analyst worked with the staff to develop a strategy for responding to apparent exceedances of phosphorous concentration allowances in CESRF effluent.

2. Yakima River Basin Side Channels Program Activities. As part of the overall project goal in the Yakima Basin, the YKFP has pursued the identification, protection and development of key side channel habitat. The Analyst assisted YKFP staff, the title company and the land owners in resolving issues necessary to close real estate transactions on key side channel properties. The assistance included the development of language for conveyance documents and easement reservations. All the transactions were successfully closed, with the exception of one property which required further action by the land owners' mortgage company. The Side Channels Program also sought to acquire property near the city of Cle Elum referred to as Hanson Ponds. Initially, the property was to be acquired using Bonneville funds. However, because of changes in Bonneville's financial situation and its approach to habitat acquisitions, YKFP was obliged to seek other funds to gain access to the Hanson Ponds property for side channel development.

3. Safe Access to Yakima River Basin Tributaries. In order to promote carrying capacity in the basin for chinook, coho and steelhead, the YKFP has undertaken a project for removing barriers to fish passage in tributaries to the Yakima River. The Analyst has assisted YKFP staff in negotiating agreements with landowners for the removal of barriers. Several agreements reached final condition, but funding issues with Bonneville prevented the implementation of the barrier removal projects. YKFP was obliged to pursue other sources of funds for the barrier removal activities.

4. Prosser Hatchery Activities. The Prosser Hatchery coho and Fall chinook rearing activities require access to sufficient amounts of water from groundwater sources to offset temperature increases in surface water supply for the facility. Prior to 1998, the

hatchery had been operating using a temporary water right issued by the Washington Department of Ecology. The water right expired and the underlying permit application was cancelled in 1999. The Analyst assisted Prosser Hatchery staff in developing a strategy for acquisition of new water rights. The Analyst worked with the Washington Department of Ecology to develop a framework for new water development.

5. Coho Acclimation Activities. The YKFP is attempting to reintroduce Coho in the Yakima River Basin. The reintroduction program requires the identification of natural acclimation sites or other suitable sites throughout the basin. Sites had been identified at the Diamond H Ranch and at the Boone Pond. The Analyst assisted YKFP staff in developing land use agreements to support reintroduction activities and also provided advice on necessary permits and NEPA compliance for use of the identified properties.

6. Bonneville Funding and Contract Management Issues. Bonneville experienced revenue shortfalls and accumulation of pre-FY2003 invoices. As a result, Bonneville modified the accounting approach it had traditionally taken to fund management. Bonneville sought to have the funding tracked on an accrual basis during a fiscal year versus an obligation basis. This necessitated changes to contract budgets for contracts developed between Bonneville and YKFP for implementation of previously approved YKFP projects. In addition, Bonneville undertook to change contract management practices to include fiscal year spending caps or accrual caps and sought to modify contracts accordingly. The Analyst assisted YKFP staff in developing a policy response to the changes in financial and contract management practices at Bonneville. The Analyst further assisted YKFP staff in the development of rescheduling requests and with in-year contract budget modification proposals.

7. Columbia River Basin Legislation, Regulation and Litigation Activities. The YKFP operates in a context of federal, state and tribal decision-making at both the legislative and regulatory levels. The YKFP is obliged to monitor legislative, regulatory and litigation activities in order to anticipate changes in project environments and to

allow effective participation in future funding and policy decisions. The Analyst tracked such activities on a weekly basis and made appropriate reports to YKFP managers in order to allow such effective participation.

ATTACHMENT C

**JUDITH WOODWARD, TECHNICAL WRITER
CROSSING BORDERS COMMUNICATION**

ACTIVITIES FOR:

April 1, 2003 through June 30, 2003

July 1, 2003 through September 30, 2003

October 1, 2003 through December 31, 2003

January 1, 2004 through March 31, 2004

Judith Woodward, Technical Writer First Quarter, April 1- June 30, 2003**Activities Status Summary Report****Yakima Coho Master Plan**

Revisions were made based on WDFW comments and analysis of impacts to NTTOC. Proposed project activities and locations changed as a result of the review, requiring significant revisions to the draft plan submitted in February. The final draft is expected in early September.

Klickitat Master Plans

The approach to master plans has changed in the Klickitat. Now all four target species will be addressed in one plan. Woodward received a draft of the four-species plan in late July, reviewed it and suggested significant changes in approach. A rough draft using the new approach is projected to be ready in mid to late September.

Klickitat Annual Report

Editing this report was begun in late July but suspended in favor of completing the Klickitat master plan.

JW Note

The schedule projected in Spring 2003 will not be accomplished. Three factors are affecting it: the delay in getting the FY 03 contract in place (plus the fact that I wasn't aware the FY 02 contract had been extended until the extension was past); reviews by participants outside YN taking longer than anticipated; and the changed scope of the Klickitat master plans.

The Yakima coho plan was due to be completed by April 2003. The external review took longer than anticipated and resulted in substantial changes to the document. Incorporating changes into the document was further delayed by the delay in getting the FY 03 contract into place. As a result, I have not worked on the Yakima steelhead plan, which was due to be complete by 8/1/03. The change in scope for the Klickitat plans has changed the schedule as well. Although it is possible it is by no means certain that some time might be made up by combining the four Klickitat plans into one plan.

The external reviews are, in my opinion, important to gaining acceptance of the master plans. But if the reviews are to be more than public relations exercises, project managers need to accept the possibility that the plans could be substantially changed as a result of these reviews. While I understand that YN staff believe the Yakima coho plan is not typical of how other projects will proceed, I am not so certain. I think we may have been optimistic in thinking the plans could be completed in the time frame shown in last spring's schedule.

Klickitat Subbasin: Materials have been compiled for four Klickitat Master Plans and are in the process of being organized into coherent documents. The Klickitat spring chinook and steelhead master plans have the most written information already available, so are easier for a writer to compile without discussions with the lead biologist. I expect, however, to need more time from the biologist during the late fall and winter months.

Yakima Subbasin: Other than the coho master plan, no other Yakima plans were worked on during this quarter.

ATTACHMENT C

Judith Woodward Second Quarter July through September 30, 2003

Yakima Coho Master Plan

A final draft of the plan was completed on September 25, 2003. It incorporates changes from YN staff as well as recommendations from Washington Department of Fish and Wildlife, co-managers.

Klickitat Master Plan

Judith Woodward is in the process of significant revisions to the four-species master plan. Goals and objectives have been reviewed and revised by YN staff for all species except fall chinook. Due to the substantial editing required, a new target date for a draft four-species plan is early November, pending no major interruptions.

ATTACHMENT C

Judith Woodward Third Quarter October 1, 2003 through December 31, 2003

Yakima Coho Master Plan.

The final review draft of the plan, which was completed on September 25, was in review for most of this quarter. Woodward did a small amount of research in December on the revised NPPC master plan requirements and changes that could be made to the plan to accommodate those requirements.

Klickitat Master Plan.

Woodward completed a review draft of the 4-species plan on December 11, with additional habitat sections submitted on December 12.

Klickitat Annual Report.

Woodward edited the annual report and submitted it on November 5.

Judith Woodward Fourth Quarter May 1, 2003 through March 31, 2004

This summary report copies the material submitted in quarterly reports for the first three quarters, and adds a report of activities for the 4th quarter. For the Yakima basin, the most significant work done in this contract year was on the coho master plan. Priorities have been changing, so pieces of other plans have been researched or prepared but need focused attention by YN biologists and by Woodward.

Yakima Coho Master Plan. Qtr 1

Revisions were made based on WDFW comments and analysis of impacts to NTTOC. Proposed project activities and locations changed as a result of the review, requiring significant revisions to the draft plan submitted in February. The final draft is expected in early September.

Yakima Coho Master Plan. Qtr 2

A final draft of the plan was completed on September 25. It incorporates changes from YN staff as well as suggestions from WDFW.

Yakima Coho Master Plan. Qtr 3

The final review draft of the plan, which was completed on September 25, was in review for most of this quarter. Woodward did a small amount of research in December on the revised NPCC master plan requirements and changes that could be made to the plan to accommodate those requirements.

***Yakima Coho Master Plan. Qtr 4**

Woodward finished making text changes to the plan based on the revised NPCC requirement. The final plan can be submitted as soon as cost estimates are provided.

***Other master plans.**

Woodward did some research, collecting of materials, and writing for both the steelhead and fall chinook master plans. However, YKFP priorities changed throughout the contract period, so only drafts of some sections for each of these plans have been prepared. As a result, a significant portion of the contract funds were unused.

* denotes new information not in previous quarterly reports.

YKFP Organizational Chart

Financial and Capital Inventory Reports

FINANCIAL STATUS REPORT (Short Form) (Follow instructions on the back)					
1. Federal Agency and Organizational Element to Which Report is Submitted.		2. Federal Grant or Other Identifying Number Assigned By Federal Agency		OMB Approval No.	Page of
BONNEVILLE POWER ADMINISTRATION		Contract #14038 Project # 1988-120-25		0348-0039	1 1
3. Recipient Organization (Name and complete address, including ZIP code)					
YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES					
P. O. BOX 151, TOPPENISH, WA 98948					
4. Employer Identification Number		5. Recipient Account Number or Identifying Number		6. Final Report	7. Basis
91-576806		22368101		[] Yes [X] No	[x] Cash [] Accrual
8. Funding/Grant Period (See instructions)			9. Period Covered by this Report		
From: (Month/Day/Year)		To: (Month/Day/Year)	From: (Month/Day/Year)		To: (Month/Day/Year)
5/1/2003		4/30/2004	5/1/2003		6/30/2003
10. Transactions			I	II	III
			Previously Reported	This Period	Cumulative
a. Total outlays			0.00	85,552.38	85,552.38
b. Recipient share of outlays					
c. Federal share of outlays			0.00	85,552.38	85,552.38
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)					85,552.38
h. Total Federal funds authorized for this funding period					282,903.00
i. Unobligated balance of Federal funds (Line h minus line g)					197,350.62
11. Indirect					
a. Type of Rate (Place "X" in appropriate box)					
[] Provisional [] Predetermined [] Final [X] Fixed					
Expense		b. Rate	c. Base	d. Total Amount	e. Federal Share
					0.00
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title			Telephone (Area code, number and extension)		
Ross K. Sockzehigh, Chairman Yakama Tribal Council			509-865-5121		
Signature of Authorized Certifying Official			Date Report Submitted		
Previous Editions not Usable			Standard Form 269A (REV 4-88)		
Prescribed by OMB Circulars A- 102 and A- 110					

FINANCIAL STATUS REPORT (Short Form) (Follow instructions on the back)						
1. Federal Agency and Organizational Element to Which Report is Submitted.		2. Federal Grant or Other Identifying Number Assigned By Federal Agency			OMB Approval No.	Page of
BONNEVILLE POWER ADMINISTRATION		Contract #14038 Project # 1988-120-25			0348-0039	1 1
3. Recipient Organization (Name and complete address, including ZIP code) YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948						
4. Employer Identification Number 91-576806		5. Recipient Account Number or Identifying Number 22368101			6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Basis <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 5/1/2003			9. Period Covered by this Report From: (Month/Day/Year) 4/30/2004		To: (Month/Day/Year) 7/1/2003 7/31/2003	
10. Transactions				I Previously Reported	II This Period	III Cumulative
a. Total outlays				85,552.38	55,044.78	140,597.16
b. Recipient share of outlays						
c. Federal share of outlays				85,552.38	55,044.78	140,597.16
d. Total unliquidated obligations						
e. Recipient share of unliquidated obligations						
f. Federal share of unliquidated obligations						
g. Total Federal share (Sum of lines c and f)						140,597.16
h. Total Federal funds authorized for this funding period						282,903.00
i. Unobligated balance of Federal funds (Line h minus line g)						142,305.84
11. Indirect Expense						
a. Type of Rate (Place "X" in appropriate box) <input type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input checked="" type="checkbox"/> Fixed						
b. Rate		c. Base		d. Total Amount	e. Federal Share	
					0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title Ross K. Sockzehigh, Chairman Yakama Tribal Council				Telephone (Area code, number and extension) 509-865-5121		
Signature of Authorized Certifying Official				Date Report Submitted		
Previous Editions not Usable				Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110		

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BONNEVILLE POWER ADMINISTRATION		Contract #14038 Project # 1988-120-25			0348-0039	1 1
3. Recipient Organization (Name and complete address, including ZIP code)						
YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES						
P. O. BOX 151, TOPPENISH, WA 98948						
4. Employer Identification Number		5. Recipient Account Number or Identifying Number			6. Final Report	7. Basis
91-576806		22368101			[] Yes [X] No	[x] Cash [] Accrual
8. Funding/Grant Period (See instructions)				9. Period Covered by this Report		
From: (Month/Day/Year)		To: (Month/Day/Year)		From: (Month/Day/Year)		To: (Month/Day/Year)
5/1/2003		4/30/2004		8/1/2003		8/31/2003
10. Transactions				I	II	III
				Previously Reported	This Period	Cumulative
a. Total outlays				140,597.16	59,720.70	200,317.86
b. Recipient share of outlays						
c. Federal share of outlays				140,597.16	59,720.70	200,317.86
d. Total unliquidated obligations						
e. Recipient share of unliquidated obligations						
f. Federal share of unliquidated obligations						
g. Total Federal share (Sum of lines c and f)						200,317.86
h. Total Federal funds authorized for this funding period						282,903.00
i. Unobligated balance of Federal funds (Line h minus line g)						82,585.14
11. Indirect						
a. Type of Rate (Place "X" in appropriate box)						
[] Provisional [] Predetermined [] Final [X] Fixed						
Expense		b. Rate	c. Base	d. Total Amount	e. Federal Share	
					0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title				Telephone (Area code, number and extension)		
Ross K. Sockzehigh, Chairman Yakama Tribal Council				509-865-5121		
Signature of Authorized Certifying Official				Date Report Submitted		
Previous Editions not Usable				Standard Form 269A (REV 4-88)		
Prescribed by OMB Circulars A-102 and A-110						

**NOT FINAL REQUEST FOR SEPTEMBER, FINAL REIMBURSEMENT REQUEST TO FOLLOW
PENDING GENERAL LEDGER ADJUSTMENTS.**

FINANCIAL STATUS REPORT (Short Form) (Follow instructions on the back)								
1. Federal Agency and Organizational Element to Which Report is Submitted.		2. Federal Grant or Other Identifying Number Assigned By Federal Agency			OMB Approval No.		Page of	
BONNEVILLE POWER ADMINISTRATION		Contract #14038 Project # 1988-120-25			0348-0039		1 1	
3. Recipient Organization (Name and complete address, including ZIP code)								
YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES								
P. O. BOX 151, TOPPENISH, WA 98948								
4. Employer Identification Number		5. Recipient Account Number or Identifying Number			6. Final Report		7. Basis	
91-576806		22368101			[] Yes [X] No		[x] Cash [] Accrual	
8. Funding/Grant Period (See instructions)				9. Period Covered by this Report				
From: (Month/Day/Year)		To: (Month/Day/Year)		From: (Month/Day/Year)		To: (Month/Day/Year)		
5/1/2003		4/30/2004		9/1/2003		9/30/2003		
10. Transactions				I	II	III		
				Previously Reported	This Period	Cumulative		
a. Total outlays				200,317.86	44,251.13	244,568.99		
b. Recipient share of outlays								
c. Federal share of outlays				200,317.86	44,251.13	244,568.99		
d. Total unliquidated obligations								
e. Recipient share of unliquidated obligations								
f. Federal share of unliquidated obligations								
g. Total Federal share (Sum of lines c and f)						244,568.99		
h. Total Federal funds authorized for this funding period						291,791.00		
i. Unobligated balance of Federal funds (Line h minus line g)						47,222.01		
11. Indirect								
a. Type of Rate (Place "X" in appropriate box)								
[] Provisional [] Predetermined [] Final [X] Fixed								
Expense		b. Rate		c. Base		d. Total Amount		
						e. Federal Share		
						0.00		
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.								
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.								
Typed or Printed Name and Title				Telephone (Area code, number and extension)				
Ross K. Sockzehigh, Chairman Yakama Tribal Council				509-865-5121				
Signature of Authorized Certifying Official				Date Report Submitted				

FINANCIAL STATUS REPORT
(Short Form)
(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. BONNEVILLE POWER ADMINISTRATION		2. Federal Grant or Other Identifying Number Assigned By Federal Agency Contract #14038 Project # 1988-120-25		OMB Approval No. 0348-0039	Page of 1 1	
3. Recipient Organization (Name and complete address, including ZIP code) YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948						
4. Employer Identification Number 91-576806		5. Recipient Account Number or Identifying Number 2235.8101		6. Final Report [] Yes [X] No	7. Basis [x] Cash [] Accrual	
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 5/1/2003			9. Period Covered by this Report From: (Month/Day/Year) To: (Month/Day/Year) 4/30/2004 10/1/2003 10/31/2003			
10. Transactions				I Previously Reported	II This Period	III Cumulative
a. Total outlays				272,324.21	28,277.37	300,601.58
b. Recipient share of outlays						
c. Federal share of outlays				272,324.21	28,277.37	300,601.58
d. Total unliquidated obligations						
e. Recipient share of unliquidated obligations						
f. Federal share of unliquidated obligations						
g. Total Federal share (Sum of lines c and f)						300,601.58
h. Total Federal funds authorized for this funding period						708,587.00
i. Unobligated balance of Federal funds (Line h minus line g)						407,985.42
11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [] Provisional [] Predetermined [] Final [X] Fixed					
	b. Rate	c. Base	d. Total Amount	e. Federal Share	0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title Chairman Yakama Tribal Council				Telephone (Area code, number and extension) 509-865-5121		
Signature of Authorized Certifying Official				Date Report Submitted		

REQUEST FOR ADVANCE OR REIMBURSEMENT		Approved by Office of Management Budget No. 80-RO183		Page 1	of 1
		1. TYPE OF PAYMENT REQUESTED	a. "X" one or both boxes [] ADVANCE [X] REIMB. b. "X" the applicable box [] FINAL [X] PARTIAL	2. BASIS OF REQUEST [X] CASH [] ACCRUAL	
3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL WHICH THIS REPORT IS SUBMITTED BONNEVILLE POWER ADMINISTRATION		4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY Contract #14038 Project # 1988-120-25		5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST 5	
6. EMPLOYER IDENTIFICATION NUMBER 91-0576806	7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER 22358101	8. PERIOD COVERED BY THIS REQUEST FROM (month, day, year) 10/1/2003		TO (month, day, year) 10/31/2003	
9. RECIPIENT ORGANIZATION Name : Yakama Nation Number and Street: P. O. BOX 151 City, State and Zip Code: TOPPENISH, WA 98948-0151		10. PAYEE (Where check is to be sent if different than item 9) Name : Number and Street : City, State and Zip Code:			
11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED					
PROGRAMS/FUNCTIONS/ACTIVITIES		(a)	(b)	(c)	TOTAL
a. Total program outlays to date:		\$ 300,601.58			\$ 300,601.58
b. Less: Cumulative program income					\$ -
c. Net program outlays (Line a minus line b)		\$ 300,601.58			\$ 300,601.58
d. Estimated net cash outlays for advance period					\$ -
e. Total (Sum of lines c & d)		\$ 300,601.58			\$ 300,601.58
f. Non-federal share of amount on line e					\$ -
g. Federal Share of amount on line e		\$ 300,601.58			\$ 300,601.58
h. Federal payments previously requested		\$ 272,324.21			\$ 272,324.21
i. Federal Share now requested (line g minus line h)		\$ 28,277.37			\$ 28,277.37
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances.		1st month			
		2nd month			
		3rd month			
12. ALTERNATE COMPUTATION FOR ADVANCES ONLY					
a. Estimated Federal cash outlays that will be made during period covered by the advance					
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period					
c. Amount requested (Line a minus line b)					
13. CERTIFICATION					
I certify that to the best of my knowledge and belief the data above are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.		SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		DATE REQUEST SUBMITTED	
		TYPED OR PRINTED NAME AND TITLE Chairman Yakama Tribal Council		TELEPHONE (AREA CODE, NUMBER, EXTENSION) 509-865-5121	
THIS SPACE FOR AGENCY USE					

FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. BONNEVILLE POWER ADMINISTRATION	2. Federal Grant or Other Identifying Number Assigned By Federal Agency Contract #14038 Project # 1988-120-25	OMB Approval No. 0348-0039	Page of 1 1
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3. Recipient Organization (Name and complete address, including ZIP code)
YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES
P. O. BOX 151, TOPPENISH, WA 98948

4. Employer Identification Number 91-576806	5. Recipient Account Number or Identifying Number 2235.8101	6. Final Report [] Yes [X] No	7. Basis [x] Cash [] Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 5/1/2003 To: (Month/Day/Year) 4/30/2004	9. Period Covered by this Report From: (Month/Day/Year) 11/1/2003 To: (Month/Day/Year) 11/30/2003
--	--

10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	300,601.58	82,418.17	383,019.75
b. Recipient share of outlays			
c. Federal share of outlays	300,601.58	82,418.17	383,019.75
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			383,019.75
h. Total Federal funds authorized for this funding period			708,587.00
i. Unobligated balance of Federal funds (Line h minus line g)			325,567.25

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [] Provisional [] Predetermined [] Final [X] Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share 0.00

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title Chairman Yakama Tribal Council	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

REQUEST FOR ADVANCE OR REIMBURSEMENT		Approved by Office of Management Budget No. 80-RO183		Page 1	of 1
1. TYPE OF PAYMENT REQUESTED		a. "X" one or both boxes [] ADVANCE [X] REIMB. b. "X" the applicable box [] FINAL [X] PARTIAL		2. BASIS OF REQUEST [X] CASH [] ACCRUAL	
3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL WHICH THIS REPORT IS SUBMITTED BONNEVILLE POWER ADMINISTRATION			4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY Contract #14038 Project # 1988-120-25		5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST 6
6. EMPLOYER IDENTIFICATION NUMBER 91-0576806	7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER 22358101	8. PERIOD COVERED BY THIS REQUEST FROM (month, day, year) 11/1/2003		TO (month, day, year) 11/30/2003	
9. RECIPIENT ORGANIZATION Name : Yakama Nation Number and Street: P. O. BOX 151 City, State and Zip Code: TOPPENISH, WA 98948-0151			10. PAYEE (Where check is to be sent if different than item 9) Name : Number and Street : City, State and Zip Code:		
11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED					
PROGRAMS/FUNCTIONS/ACTIVITIES		(a)	(b)	(c)	TOTAL
a. Total program outlays to date:		\$ 383,019.75			\$ 383,019.75
b. Less: Cumulative program income					\$ -
c. Net program outlays (Line a minus line b)		\$ 383,019.75			\$ 383,019.75
d. Estimated net cash outlays for advance period					\$ -
e. Total (Sum of lines c & d)		\$ 383,019.75			\$ 383,019.75
f. Non-federal share of amount on line e					\$ -
g. Federal Share of amount on line e		\$ 383,019.75			\$ 383,019.75
h. Federal payments previously requested		\$ 300,601.58			\$ 300,601.58
i. Federal Share now requested (line g minus line h)		\$ 82,418.17			\$ 82,418.17
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances.		1st month			
		2nd month			
		3rd month			
12. ALTERNATE COMPUTATION FOR ADVANCES ONLY					
a. Estimated Federal cash outlays that will be made during period covered by the advance					
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period					
c. Amount requested (Line a minus line b)					
13. CERTIFICATION					
I certify that to the best of my knowledge and belief the data above are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.		SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		DATE REQUEST SUBMITTED	
		TYPED OR PRINTED NAME AND TITLE Chairman Yakama Tribal Council		TELEPHONE (AREA CODE, NUMBER, EXTENSION) 509-865-5121	
THIS SPACE FOR AGENCY USE					

FINANCIAL STATUS REPORT
 (Short Form)
 (Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. BONNEVILLE POWER ADMINISTRATION		2. Federal Grant or Other Identifying Number Assigned By Federal Agency Contract #14038 Project # 1988-120-25		OMB Approval No. 0348-0039	Page of 1 1
3. Recipient Organization (Name and complete address, including ZIP code) YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES P. O. BOX 151, TOPPENISH, WA 98948					
4. Employer Identification Number 91-576806		5. Recipient Account Number or Identifying Number 2235.8101		6. Final Report [] Yes [X] No	7. Basis [x] Cash [] Accrual
8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 5/1/2003			9. Period Covered by this Report From: (Month/Day/Year) 4/30/2004		
			12/1/2003		12/31/2003
10. Transactions			I Previously Reported	II This Period	III Cumulative
a. Total outlays			383,019.75	55,340.21	438,359.96
b. Recipient share of outlays					
c. Federal share of outlays			383,019.75	55,340.21	438,359.96
d. Total unliquidated obligations					
e. Recipient share of unliquidated obligations					
f. Federal share of unliquidated obligations					
g. Total Federal share (Sum of lines c and f)					438,359.96
h. Total Federal funds authorized for this funding period					708,587.00
i. Unobligated balance of Federal funds (Line h minus line g)					270,227.04
11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [] Provisional [] Predetermined [] Final [X] Fixed				
	b. Rate	c. Base	d. Total Amount	e. Federal Share 0.00	
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.					
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.					
Typed or Printed Name and Title Chairman Yakama Tribal Council			Telephone (Area code, number and extension) 509-865-5121		
Signature of Authorized Certifying Official			Date Report Submitted		
Previous Editions not Usable					
Standard Form 269A (REV 4-88) Prescribed by OMB Circulars A-102 and A-110					

**REQUEST FOR ADVANCE
OR REIMBURSEMENT**

Approved by Office of Management
Budget No. 80-RO183

Page 1 of 1

1. TYPE OF PAYMENT REQUESTED
a. "X" one or both boxes
[] ADVANCE [X] REIMB.
b. "X" the applicable box
[] FINAL [X] PARTIAL

2. BASIS OF REQUEST
[X] CASH
[] ACCRUAL

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL WHICH THIS REPORT IS SUBMITTED
BONNEVILLE POWER ADMINISTRATION

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY
Contract #14038 Project # 1988-120-25

5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST
7

6. EMPLOYER IDENTIFICATION NUMBER
91-0576806

7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER
22358101

8. PERIOD COVERED BY THIS REQUEST
FROM (month, day, year)
12/1/2003

TO (month, day, year)
12/31/2003

9. RECIPIENT ORGANIZATION
Name : Yakama Nation

Number and Street: P. O. BOX 151

City, State and Zip Code: TOPPENISH, WA 98948-0151

10 PAYEE (Where check is to be sent if different than item 9)
Name :

Number and Street :

City, State and Zip Code:

11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED

PROGRAMS/FUNCTIONS/ACTIVITIES	(a)	(b)	(c)	TOTAL
a. Total program outlays to date:	\$ 438,359.96			\$ 438,359.96
b. Less: Cumulative program income				\$ -
c. Net program outlays (Line a minus line b)	\$ 438,359.96			\$ 438,359.96
d. Estimated net cash outlays for advance period				\$ -
e. Total (Sum of lines c & d)	\$ 438,359.96			\$ 438,359.96
f. Non-federal share of amount on line e				\$ -
g. Federal Share of amount on line e	\$ 438,359.96			\$ 438,359.96
h. Federal payments previously requested	\$ 383,019.75			\$ 383,019.75
i. Federal Share now requested (line g minus line h)	\$ 55,340.21			\$ 55,340.21
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances.	1st month			
	2nd month			
	3rd month			

12. ALTERNATE COMPUTATION FOR ADVANCES ONLY

a. Estimated Federal cash outlays that will be made during period covered by the advance	
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period	
c. Amount requested (Line a minus line b)	

13. CERTIFICATION

I certify that to the best of my knowledge and belief the data above are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.	SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	DATE REQUEST SUBMITTED
	TYPED OR PRINTED NAME AND TITLE Chairman Yakama Tribal Council	TELEPHONE (AREA CODE, NUMBER, EXTENSION) 509-865-5121

THIS SPACE FOR AGENCY USE

FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted. BONNEVILLE POWER ADMINISTRATION	2. Federal Grant or Other Identifying Number Assigned By Federal Agency Contract #14038 Project # 1988-120-25	OMB Approval No. 0348-0039 Page 1 of 1
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3. Recipient Organization (Name and complete address, including ZIP code)
YAKAMA INDIAN NATION - PROGRAM TITLE: BONNEVILLE POWER ADMIN. - FISHERIES
P. O. BOX 151, TOPPENISH, WA 98948

4. Employer Identification Number 91-576806	5. Recipient Account Number or Identifying Number 2235.8101	6. Final Report [] Yes [X] No	7. Basis [x] Cash [] Accrual
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8. Funding/Grant Period (See instructions) From: (Month/Day/Year) 5/1/2003 To: (Month/Day/Year) 4/30/2004	9. Period Covered by this Report From: (Month/Day/Year) 3/1/2004 To: (Month/Day/Year) 3/31/2004
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10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays	553,166.49	91,092.26	644,258.75
b. Recipient share of outlays			
c. Federal share of outlays	553,166.49	91,092.26	644,258.75
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			644,258.75
h. Total Federal funds authorized for this funding period			708,587.00
i. Unobligated balance of Federal funds (Line h minus line g)			64,328.25

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) [] Provisional [] Predetermined [] Final [X] Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share
0.00				

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.

13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

Typed or Printed Name and Title Chairman Yakama Tribal Council	Telephone (Area code, number and extension) 509-865-5121
Signature of Authorized Certifying Official	Date Report Submitted

REQUEST FOR ADVANCE OR REIMBURSEMENT		Approved by Office of Management Budget No. 80-RO183		Page 1	of 1
		1. TYPE OF PAYMENT REQUESTED	a. "X" one or both boxes [] ADVANCE [X] REIMB. b. "X" the applicable box [] FINAL [X] PARTIAL	2. BASIS OF REQUEST [X] CASH [] ACCRUAL	
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6. EMPLOYER IDENTIFICATION NUMBER 91-0576806	7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER 22358101	8. PERIOD COVERED BY THIS REQUEST FROM (month, day, year) 3/1/2004		TO (month,day,year) 3/31/2004	
9. RECIPIENT ORGANIZATION Name : Yakama Nation Number and Street: P. O. BOX 151 City, State and Zip Code: TOPPENISH, WA 98948-0151		10. PAYEE (Where check is to be sent if different than item 9) Name : Number and Street : City, State and Zip Code:			
11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED					
PROGRAMS/FUNCTIONS/ACTIVITIES		(a)	(b)	(c)	TOTAL
a. Total program outlays to date:		\$ 644,258.75			\$ 644,258.75
b. Less: Cumulative program income					\$ -
c. Net program outlays (Line a minus line b)		\$ 644,258.75			\$ 644,258.75
d. Estimated net cash outlays for advance period					\$ -
e. Total (Sum of lines c & d)		\$ 644,258.75			\$ 644,258.75
f. Non-federal share of amount on line e					\$ -
g. Federal Share of amount on line e		\$ 644,258.75			\$ 644,258.75
h. Federal payments previously requested		\$ 553,166.49			\$ 553,166.49
I. Federal Share now requested (line g minus line h)		\$ 91,092.26			\$ 91,092.26
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances.		1st month			
		2nd month			
		3rd month			
12. ALTERNATE COMPUTATION FOR ADVANCES ONLY					
a. Estimated Federal cash outlays that will be made during period covered by the advance					
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period					
c. Amount requested (Line a minus line b)					
13. CERTIFICATION					
I certify that to the best of my knowledge and belief the data above are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.		SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		DATE REQUEST SUBMITTED	
		TYPED OR PRINTED NAME AND TITLE Chairman Yakama Tribal Council		TELEPHONE (AREA CODE, NUMBER, EXTENSION) 509-865-5121	
THIS SPACE FOR AGENCY USE					

Equipment List

4	Laptop Computer	Gateway 2000	Solo 5350	BQB02054344	2001	8358109.3	13711	01-109288	\$2,245.00	1/4	4882
5	Laptop Computer	Gateway 2000	Solo 5350	BQB02054345	2001	8358109.3	13712	01-109288	\$2,245.00	1/4	4882
6	Computer Tower	Gateway 2000	Tower	26225759	2001	8358109.3	13713	01-109288	\$2,374.00	5/1	4882
7	Computer Profile	Gateway 2000	Profile 3	V2101150	2001	8358109.3	13714	01-109288	\$2,061.00	1/4	4882
8	Computer Profile	Gateway 2000	Profile 3	V2101069	2001	8358109.3	13715	01-109288	\$2,061.00	1/4	4882
9	Computer Profile	Gateway 2000	Profile 3	V2100748	2001	8358109.3	13716	01-109288	\$2,061.00	5/4	4882
10	Panatax	Fisheries	UF 745	BTLJPN-75250	2001	8358109.3	8931			7/5	Transfer
MANAGEMENT TOTAL									\$29,598.00		

Budget Period: 04/01/02 - 03/31/03

1	Unipack Disk Drive	General Microsystem	SG-XDSK10C	NA	2002	8358109	To be tagged	02-114945	\$1,672.00	1/4	4882
2	Processor	Gateway 2000	Intel Pentium	NA	2002	8358109	To be tagged	02-119215	\$2,277.00	5/4	4882
3	Notebook	Gateway 2000	Intel Pentium	NA	2002	8358109	To be tagged	02-119215	\$3,708.00	5/4	4882
4	TV/VCR Combo	Bi-Mart Corp.			2002	8358109	To be tagged	02-120173	\$159.99	5/4	4882
5	Computer desk	Inside Oregon Enterprises			2002	8358109	To be tagged	02-120541	\$1,431.75		4882
MANAGEMENT TOTAL									\$9,248.74		

GRAND TOTAL \$38,846.74

NOTE: No Capital Purchases for 05/01/03 - 03/31/04

YAKIMA/KLICKITAT FISHERIES PROJECT POLICY GROUP MINUTES

FIRST QUARTER, MAY 1, - JUNE 30, 2003

SECOND QUARTER, JULY 1, - SEPTEMBER 30, 2003

THIRD QUARTER, OCTOBER 1, - DECEMBER 31, 2003

**FOURTH QUARTER/FINAL,
JANUARY 1, 2004 – MARCH 31, 2004**

MEMORANDUM
Policy Group Minutes May through June 2003

DATE: May 22, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, May 7, 2003

The Yakima/Klickitat Policy Group met at Nelson Springs on May 7, 2003. Those in attendance included: Mel Sampson, Todd Pearsons, Charlie Strom, Bill Fiander, Joe Blodgett, Bill Sharp, John Easterbrooks, Dave Fast, Bill Bosch, Pat Spurgin and Todd Newsome, Brent Renfrow. David Byrnes and Patty Smith joined the meeting via: phone conversation.

Fish Passage Over Yakima Basin Storage Dam: Brent Renfrow

Brent presented to the group four-hand outs. 1) Questions for the YKFP 2). Background information on Fish Passage over Yakima Basin Storage Dam 3). Graph of Cle Elum Elevation and outflow and Bumping Lake Elevation and outflow 4). Mitigation Agreement between the USDI Bureau of Reclamation and Washington Department of Fish and Wildlife Regarding Keechelus Dam Construction issues Including Fish Passage

Mel indicated he could not download this from the e-mail that Brent had sent out.

- Passage on all dams
- Figure if people want passage out there
- Phase 2 to see if we can make this work and get fish out there.
- Better communication with BOR
- Denny Hudson w/BOR working on this project.
- NOAA/Kale Gullett working on this project
- Phase 1 report is done, hard copies are around
- PDF files are out
- Fish managers together to find out what we want to do.
- Not involved w/YN at this time, litigation reasons.
- Paul Ward has received some of this information
- Is this Priority list that Brent's agency is looking at?
- How can we engage Fish Managers into this quickly?
- Initial strategy, is we got studies on this out there and need to start placing fish out there.
- Brent would like some feed back from PGM co-Managers.

OPERATIONS:

Cle Elum Supplementation & Research Facility: Charlie Strom

- 2002 Brood transferred to raceways April 8-16. Average size @ ponding 1343 fish/lb
- Chiller shut down April 7, 2003
- 2002 end of month samples 856,276 on hand 917 fish/pound. Total 18 raceways (16 Wow, and 2 HXH). Raceways randomly assigned Hi (target 30 fish/lb by mid-October) and Lo (target size 45 fish/lbs by mid-October) treatment groups. All will be hand fed and have pond covers during Cle Elum rearing period. As recommended by MIPT conferences call on 4/29/03.
- 2002 juveniles are being reared on a combination of river and well water.
- First adult for the 2003 season received on 4/28/03. total adults transferred to date = 7 (3 wild females + 1 wild male + 3 hatchery females).
- Don Larsen's experiment terminated earlier because of detection of BKD. All Fish were removed from tanks on 4/15 and 4/25-26.
- Gene Sandborn dismantled RSI's and WDFW cleaned and disinfected troughs.
- Jason Rau and Mike Hamlin cleaning Easton Acclimation site up and shutting it down for the season.
- Rich Farrell and Pete Wiedemann test Easton pumps on 4/16/03. No improvements in pumping rates recorded during testing periods.
- Migration of Clark Flat fish as of 5/1/estimates 73% of fish left and Jack Creek 78% of fish have left site.
- Fish Culture shifting to clean up of incubator trays from production and research activities.

- Received service agreement bid from Technical Systems Inc. Bill Bosch will cover this under data management portion of the meeting.
- Personnel Annie Jo Parrish had a baby girl and will be off work for six-weeks. Allen Byrd left the program. He was stationed at Easton. Bill Fiander's crew assisting in fish culture and clean up duties in between caring for Easton Coho fish.

PROSSER: Joe Blodgett

- 700 Steelhead
- 500 on site reconditioning
- 13 fish that was reconditioned came back
- 6 radio tagged came back
- 30 morts out of the 500

March monthly update for Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima Coho. The objectives for March include fish culture, facility maintenance. Daily operation and maintenance continued at both production facilities-PH and MDH.

Fish rearing: Prosser Hatchery

- 3/3/03 Started sanding steelhead circular tanks.
- 3/5/03 started painting circular tanks
- 3/6/03 started ponding conventional fall Chinook
- 3/7/03 finished ponding conventional fall Chinook
- 3/10/03 started collecting steelhead
- 3/12/03 Apollo finished the waste treatment pond
- 3/18/03 started moving (Little White Salmon Coho) from UR 3 to RW 14
Ponded Coho Lot #2.
- 3/19/03 Finished moving UR 3 – LR 1 and LR4 to RW 14.
Chandler's separator isn't working (shut down)
- 3/21/03 started putting up bird netting around ponds
- 3/25/03 ponded Coho Lot #3

Fish rearing: Marion Drain Hatchery

Fall chinook were ponded. Regular maintenance continues daily – cleaning screens, feeding trout, and general upkeep. Repairs work on caretakers house began.

Acclimation Ponds:

- 3/3/03 Coho from Willard National Fish Hatchery delivered to Lost Creek
- 3/4/03 Pond and Stiles Pond.
- 3/5-7/03 Coho from WNFH delivered to Holmes Pond and Easton Pond.

Administrative:

- 3/25-26/03 PAR held at CWU

Prosser Hatchery, . March 2003 Lot #YNPFC-02 Species: Fall Chinook

Fish on Hand					Mortality			
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size	
03/31/03	LR2	247.7	56,970	230.00	244	168	#2 CRUM accelerated	
	LR3	141.6	41,906	296.00	200	130	#2 CRUM accelerated	
	URW 1	323.4	163,338	505.00	2395	239	#1 crum conventional	
	URW 2	77.0	38,864	505.00	138	66	#1 crum conventional	

Prosser Hatchery, . March 2003 Lot # LWCO-02 Species: Coho

Fish on Hand					Mortality			
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size	

Prosser Hatchery, . March 2003 , Species: Steelhead

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
03/31/03	C4	151		8			Frozen Krill

WATER SOURCE		YAKIMA	
Maximum POND TEMPERATURES:			
Minimum			
Average		49.0	

KLICKITAT: Bill Sharp

- Screw trap is fishing good at new location
- Numerous releases of hatchery Coho
- Would like to use wild Steelhead and release to test efficiency test on screw trap.
- June 1st touring WDFW, Bill Tweit, showing the basin.
- Discussing hatchery transition.

Wahkikus:

- Re-drafting HPMP will have out to NOAA fisheries
- APRD first Draft, will review and have Steve Parker review also.
- Castile Falls started work on 4 & 5 cleaning out. 10& 11 work on tunnels will be completed by August 2003

Habitat:

- Klickitat Mill Project , design is ready to go
- SFBD project MOU has been shipped to Mel, Pat S., and Bill from Will Conley (today)

COHO: Todd Newsome

- Worked on MP, Judy will be working on editing. Joel will get with Judy.
- Habitat work in tributaries upper Yakima
- How many Coho PAR to distribute
- How many PT to put out, late summer in August.
- Fry plants in late summer
- Good PT detection off them
- Coho are in acclimation ponds
- Easton 5 detections out of 200,000
- Lost Creek 1900 detection
- Stiles 1400 out of 2500
- RD kelts released at McNary tagged U&I, and Prosser

FALL CHINOOK: Not much to report they all went out.**DATA:** Bill Bosch

- Spring Chinook run 22,000 fish at Prosser 80% wild
- Roza 75% wild
- Not getting a whole lot of fish right now, closer to end of week 50/50
- Bonneville 35% over forecast
- Run is tapering off at Bonneville 2/3's of 5 year olds 80% 4 year olds
- 2001 was killer year for Coho and Spring Chinook
- Steve Parker from 14,000 to 20,000 will go to Carson Hatchery so we may not see the numbers up here in the Yakima if the fish go to the hatcheries.
- 5.4% came to the Yakima from Bonneville. This has been the same the last two years.
- TSI two systems at Hatchery three at acclimation sites.
- No long-term agreement has been implemented yet.

- 62,000 bid can't do on budget this year
- may want to budget next year and do a five year schedule.
- In January and February make decision on budget and which plan.
- Temp data, flow data, drives the alarm system.
- DOE reports to keep in compliance with water
- Chris Johnson working on data base
- Still doing testing.
- High speed Internet links.
- Maybe Ellensburg where we had PAR or UW
- Late June or July to run conference.

STAC: Dave Fast & Todd Pearsons

COHO PSR

- April 24 Tuesday meeting
- Telephone conference call on April 29, Don Larsen, Curt, Todd, Dave, Craig, Mark, Bill B., and Charlie.
- Set up one year interim study
- Predation study
- Set up study (control group)

DOMESTICATION STUDY:

- Next Wednesday meeting May 14th at Cle Elum Hatchery
- Call and have Don Larsen attend this meeting, also domestication status meeting.
- Have Doug Neely at meeting also
- Dave Fast will contact this meeting.
- Doug Neely's point was that you change every five years (hxx line)
- Dave Fast & Bill Bosch have been working/speaking with Brian Rydell, BC Fish & Game
- Patty will need to get update on this for NEPA analysis. (she went home ill)
- Surplus fish went into pond at Ellensburg 62,000 hxx fry.
- David B., asked Dave Fast if it was thought that Rich Farrell should attend meeting on the 14th just to keep on track? It's a good idea, and David B., will call Dave Thursday to get an overview of what was discussed before he joins the call. This will be for the Wednesday meeting.

CONSTRUCTION/MAINTENANCE: David Byrnes

- Dan McDonald moving towards 30% design completion
- Meeting on 16th or sooner
- Would like done by end of June (that's when contract ends)
- Dave F., has spoken w/Sherry and they would like to come by and do a site visit.
- Final design 100% by end of June 10, 2003 Mark Fritch is in disagreement of building with 03 \$.
- How would we engage the staff in regards to future funding of project?

TRAIL CROSSING/PROPOSED PARK STATUS:

- Trail link/cut of link from John Wayne trail.
- Growing levels of interest
- Ken will do a follow-up with Scott to do a site visit review several options.
- Scott informed him of higher objectives to try and get cement.
- Ken has been involved with environmental issues around in the area.
- Second access issues involves Easton, Land Lock property (Lamphere property)
- Sent a permit to BPA, Scott has for an easement submitted of the property, by the river. They have to get to this property by going through Ellensburg cement access road.
- Scott did an on the ground survey. Two major wetlands on the property and other reasons why the easement should not be approved.
- Church has taken a contract with a realty Company and is trying to sell piece of property (\$85,000)

HATCHERY SIGNS: David Byrnes

- Designs were seen and approved
- Scheduled to be shipped this week from Texas to the Hatchery, maybe Friday.
- Charlie and staff or any volunteers to hand/install the signs, plexie glass to cover the signs
- Would be nice to have them hung by Memorial Day weekend.
- It would be nice to get a hold of Dan Barrett, maybe he would like to come and hand signs?

BUDGET: David Byrnes

- Issuing new budgets should be effective May 1st.
- 12-month budgets/effective May 1 – through September 30th.
- Value associated with an accrual that will be used for 12 months.
- Klickitat four contracts active: Design/Passage, Habitat, M&E, Mgmt
- Takes care of current work load on the Klickitat
- New Contracts Upper O&M and Lower O&M, Yakima Mgmt and Yakima M&E
- Policy Tech is an on-going contract.

NEPA: Patty went home ill

NEXT MEETING DATE: June 11, 2003 at Cle Elum Hatchery M&E Bldg 9:00 a.m.

MEMORANDUM

DATE: June 23, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, June 11, 2003

The Yakima/Klickitat Policy Group met at the M&E Building at the Cle Elum Supplementation and Research Station. Those in attendance included: Mel Sampson, David Byrnes, Dave Fast, Todd Pearsons, Charles Strom, Jason Rau, Pat Spurgin, John Easterbrooks, Todd Newsome, Patty Smith by phone. Scott Nicolai joined in afternoon.

STAC: Dave F. & Todd P.

Coho PSR

- Did not have a signed contract
- Joel and Todd "Risk Assessment"?
- Will have a panel of six people, find date to meet and do it in a day.
- Judith on leave this week and next week
- Reach of final draft. Up-dated version will be dated
- Artificial Production reviews? Will be standardized, NOAA is going to do. Dave Fast spoke with Bob Foster.
- STAC next move will be steelhead
- Will jump ahead of fall Chinook
- David Byrnes wanted to know who were state and tribe reps? Richard Visser for State and Bob Rose and Dave Fast for the Tribe.
- *Patty Smith called in @ 10:10 am*
- Subbasin plans, how it will effect the watersheds, focal species? 1). Problems were having is some people want sockeye included. "was though to be a good species". Another was summer Chinook. (fix the lower river and both species could return).

Domestication Status:

- May 14th meeting at M&E bldg
- Craig Busack done more work on numbers on prococial males.
- Reduce prococialism, high growth than low growth by reduce by half, growth numbers, continue for several years. Small fish will be heavily preyed on than larger fish will go with adaptive management. Set up as experiment (5 year plan)
- May 21st Curt Kanutsen 1 page memo from May 14th meeting.
- Dave Fast will mail out to everyone.
- David Byrnes looking for format/backgrounder
- YKFP get distributed, David Byrnes would like a summary of what's going on.
- Publish electronically
- Sighted as our monthly newsletter
- Money is tight.
- BPA's journal comes out every month
- Patty Smith "they will help with distribution"
- Charles Strom, next year what if everything went under water feeders?
- These would be questions for the technical meeting.
- Move fish from acclimation middle May, two weeks on permits.
- Acclimation sites clean up and moved out.
- ISAB report June 4th can find on nwcouncil.org/library – in documents
- Working with Ryan Rydell
- Not distributed to anyone will upload to web page.

Disposal of Spent Solutions of MS-222 Anesthetic:

- Dave Fast will pursue letter written to Melvin by Phelps Freeborn of Department of Ecology.
- Patty indicated that Fred of BPA will be the contact person Dave needs to speak with. Would like this handled from the top to make sure BPA is covered under this.

Broodstock Capture Status:

- wild fish returning to Roza.
- 73% target capture
- June is a good month at Roza.
- Marlene finished her thesis, could be on website next week
- "0"egg prococial, wild crosses dominated the hatchery crosses, but....the hatchery crosses were more aggressive than the wild crosses.
- She had 89 pairs.

CONSTRUCTION/MAINTENANCE: David Byrnes, Rich & Dan M.

- Dan McDonald – via conference call
- 30% design review, did receive comments
- next 90% milestone review, gathering drawing today and should receive June 16th at the latest 17th.
- Still shooting for June 30th deadline
- Sending drawings to Dave Fast, Melvin, John E., Pat Spurgin and Patty Smith.
- Receive on the 16th and comments by the 23rd.
- One week to incorporate
- Stream stone facing
- Why not go with cedar siding and concrete tiles. 40-year composition shingles.
- Everyone is O.K. with this.
- Meeting after June 30th., Sheery Davis and Dan will both be at meeting on July 9th at Nelson Springs at 1:30.
- Only thing Change Scope of Work – anticipated permit. Applications fees to put in Yakima County, not going directly into construction. Application fee?
- One issue, basement of building is slightly flooded. Access to wells for irrigation, hydro tank and pump needs to be replaced. Reuse the well but not the equipment.
- Dan McDonald calculated predictions “can a well be easily incorporated in the next phase of work?”
- Proceeding with design, not a complete printing of specs, David Byrnes will concur with Dan on not re-printing the specs.
- Focus on design and summary of design.
- When we issue 90% phase we will just keep working to meet the June 30th deadline.

PUMPS/EASTON: David

- Pull pump at Easton and replace impeller.
- Clark Flat will be a bigger challenge
- In regards to horsepower getting these pumps upgraded, different engineering issue.
- Horse power will not be able to accommodate the higher power of impeller, will need to replace
- Increase impeller to increase flow of the water.

OPERATIONS:

Cle Elum Supplementation & Research Facility: Charles Strom

- 354 adults for 2003 brood transferred to Cle Elum. One mortality (wild female) recorded to date.
- 2003 brood comprised of 223 wild females + 51 hatchery female = 274
 - 28 wild males + 17 hatchery males = 55
 - 17 wild jack + 9 hatchery jack = 26
 - Total on Hand = 355
- Adults treated three times a week at 1:6000 ppm.
- 2002 end of month samples 843,929 on hand 386 fish/pound and Lo=45 (fish/pound).
- BOR releases from Cle Elum cooled river down and plugged screens. Releases occurred during June 1-8 and washed much debris from banks of the Cle Elum and plugged intake screens. Switched to well water and shut down all but one river pump to get by during releases. Switched back to running all river water on 6/10/03.
- Clark Flat and Jack Creek fish were forced out May 15.
- Shut generators at Jack Creek down on 6/5/03. All raceways and service buildings cleaned and ready for next year.
- Clark Flat and Easton sites will be cleaned during month of June.
- Jason Rau completed marking of Fall Chinook at Hanford Reach.
- Hot weather caused numerous alarms to head box, raceways, and electrical building. Analog cards are specified to operate at temps up to 140°F and temperatures inside of PLC panel may have surpassed this mark.
- Thomas Morrison, temporary fish culturist left May 30. Annie Jo Parrish returned from maternity leave on June 2. DJ Brownlee was selected to fill last remaining fish culturist job at the Cle Elum Hatchery he will start on June 23.

- Sandra Noel of The Arc of Interpretation, checked on informational signs upon arrival. All checked good except they duplicated Jack Creek Acclimation site and left out the Easton site. New Easton site arrived to Cle Elum on June 9th.
- Too many tours to mention for late May. Mt. Adams third and seventh grade students, Central Washington University Ecology students and Wilson seventh grade students visited Cle Elum and Mid Columbia Fly Casters.
- Scott Nicolai, Marsha Fischer, and Keith Gardner met at hatchery outfall to discuss upkeep and installation of drip irrigation to maintain wetland areas during the warmer months.
- Road/Trees (not discussed)
- Set up spawning meeting (not discussed)

David Byrnes indicated that after the signs are hung that plexi-glass is not recommended. These designs are kept electronically and signs could be duplicated if needed due to damage. Also, recommends that we update and set up new hatchery brochures.

Lower Yakima River Facilities: Charles Strom (Bill Fiander e-mailed Charlie to give this report)

May activities (daily O&M records will be given to Carol Sue)

Prosser:

- June 4th – Steelhead kelt release 9 below Bonneville Dam) 192 (90% survival, check with Bill B.). Steelhead kelts on station – 400
- Inlet settling pond – finished this week
- Security/storage building – completed
- Spawning area enclosure – electrical work/end of the week.
- Fall Chinook at Marion Drain released end of April
- Fall Chinook at Prosser released end of May.

Prosser Hatchery, May 2003 YNPFC 02, Fall Chinook

Fish on Hand					Mortality			Food fed Brand & Size
Day	Pond #	lbs	No.	Size	No.	lbs		
05/31/03	RW2	717.1	100,398	140.00	0	256	#2 Conventional	

Prosser Hatchery, May 2003 YNPCO-02, Coho

Fish on Hand					Mortality			Food fed Brand & Size
Day	Pond #	lbs	No.	Size	No.	lbs		
05/31/03	LRW1	172.4	41,139	238.60	7	137	#2	

Prosser Hatchery, May 2003 LWFC-02 Fall Chinook

Fish on Hand					Mortality			Food fed Brand & Size
Day	Pond #	lbs	No.	Size	No.	lbs		
05/31/03	Pond 1	8946.2	872,255	97.50	0	6552	#3	
	Pond 2	4950.6	451,491	91.20	4	3628	#3	
	Pond 3	4301.8	447,383	104.00	18	3704	#3	

Prosser Hatchery, May 2003 WCO-02 Coho

Fish on Hand					Mortality			Food fed Brand & Size
Day	Pond #	lbs	No.	Size	No.	lbs		
05/31/03	RW13	1387.3	120,000	86.50	0	409	#3	
	RW14	1042.4	120,917	116.00	1	392	#3	
	RW15	1116.2	119,992	107.50	8	398	#3	

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	52.0

Klickitat: Bill Sharp
(not in attendance)

Data: Bill Bosch
(not in attendance/vacation)

Melvin brought up the fact that the Yakama Nation Cultural Committee would like to rename the Cle Elum Hatchery to “Levi George” Hatchery Facility. Melvin spoke with Carol Craig, Information Manager, Fisheries Resource Management Program, Yakama Nation and she thought the hatchery could dedicate the facilities to him without making major changes to the Cle Elum Supplementation Research Facility signs already in place.

Melvin will coordinate with Carol Craig and she will contact the Cultural Committee LaRena Sohappy, Chairman, Louis Cloud, Secretary, Sam Jim Sr., and Leo Aleck Members.

David Byrnes spoke with several people and their concerned about the cost of sign changes if the name should be changed. Plus in the beginning it took several months just to come up with the name it has today.

David Byrnes indicated that something in a new brochure could explain who Levi George is and his connection/involvement to the Cle Elum Hatchery.

OPERATIONS: Scott Nicolai

- meeting with Corp of Engineers, submitted permits
- Hanson Ponds are still on track, looking good for this fall.
- Projects have already been ranked
- Six miles of Jack Creek Acclimation site passage barrier
- Three miles of Indian Creek Acclimation site passage barrier. These are as per Jim Matthews of YN TFW Program.
- June 15th land strategy protection meeting.
- Hoping to get everyone up to speed on Habitat Protection
- Wetland Mitigation spoke with Sheldon & Associates will take care of cost
- Need to have someone on board for weed control
- Diversion of the river to Jack site.
- David Byrnes wanted to know if we budgeted for weed control?
- No...Melvin will get a hold of someone to pursue on June 12, 2003
- Land we are purchasing, there is a need for weed control.
- Jason N., YN Noxious Weed Program has done work for Scott on Henne Property and Scott will give him a call again.

Manastash:

- David Byrnes called Patti Smith and Dan McDonald will connect by conference call.
- Meeting with Dan along with Hank Fraser and Brent Renfrow
- Consolidating three diversion to one. Divert and passage to the other diversions. This will be under phase 1. Phase 2 will be Manastash to keep water in there for the summer.
- Scott and Hank attended meeting this morning along with six state people, irrigators and attorneys.
- Hopefully in phase II we will be able to buy water rights.
- 2:30 p.m. Dan McDonald joined via conference call
- Scott would like a meeting before the 14th.

Coho: Todd Newsome

- Working with Joel and Todd on PSR
- Working on Annual Report
- Rough planning on what's going to happen this fall.
- Traps and flows at Prosser are good
- Meet with Scott on Wilson Creek (habitat surveys)
- Snorkeling Naches
- First week in August will pit tag fish
- Start trapping early September
- Adults in late October
- CWT on the 14th finish last week in July

Budget/Contracts: David Byrnes

- Sheldon and Associates easement package prepared. Watershed and NEPA checklist, these sent to state in lieu of. Patty still needs to have something. Shannon has report if Patty needs.
- Scott meeting June 12th with Jeff Hutchins. July Jeff will look into covering the road/Charter right away.
- Realtor needs to agreement
- Black top all the way to gravel pit?

MEETING RECESSED AT 3:00 p.m.

David Fast and Pat Spurgin needed to get to another meeting.

**NEXT MEETING: July 9th, 2003 at Nelson Springs 9:00 a.m.
1:30 p.m. meeting with Sherry Davis and Dan McDonald**

MEMORANDUM
Policy Group Minutes July Through September 2003

DATE: July 21, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, July 9, 2003

The Yakima/Klickitat Policy Group met at Nelson Springs. Those in attendance included: *Melvin Sampson, Dan McDonald, Sherry Davis, Jason Rau, Joel Hubble, Charlie Strom, Bill Bosch, Billy Fiander, Todd Pearsons, John Easterbrooks, Pat Spurgin, Dave Fast, Scott Nicolai, Patty Smith via phone.*

AGENDA REVIEW:

- David Byrnes not in attendance
- Bill Sharp can't make the meeting today he's at Castile Falls. They are pouring cement today.
- Todd Newsome had another meeting.

CONSTRUCTION/MAINTENACE: Dan McDonald & Sherry Davis

- Finished 100% design drawing (4 sets).
- Complete planning process
- Response from neighbors, comments were good.
- Waiting for final report.
- Amount was brought under original cost.
- Total is everything (complete project)
- Mel, "how long is the price good? Sherry, "up to one year"
- Alternative 2&3 need to select one
- Group selected to go with design Sherry had recommended and not to be written as an alternative. Sherry will do in as original design and not an alternative. (don't separate)
- 2004 will be construction date.
- Third step is the NEPA process
- Patty needs to know construction date and demolition of old building.
- Design and budget in August for approval.
- Construction will begin in 2004, Patty will get started with what we have on hand. She will need a set of the plans.
- Plans and specs will be shipped to David Byrnes today 7/9/03.
- The plans do include demolition cost.

STAC: Dave Fast & Todd Pearson

Domestication:

- Brood stock for production of natural fish.
- Met with Steve Schroder and Kurt Kanutson on potentially able to use facilities here to test fish for disease before going to Cle Elum.
- Need Chiller for holding adults.
- Live spawn a fish for ovarian fluid and take to Ray to do disease testing. This will take a month.
- Called Ray 7/8/03 and he will coordinate with Jim from state on a conference call.
- Enough electricity to run chillers & computers? Generator? (maybe to loud because will be constantly running).
- Will use garage area of office?
- If not enough available power, we can use 2,000 amp box. Would need another power box installed (no funding)
- Need four 20 amp circuits to run chillers.
- Mark doing spawning ground surveys next week (American River). Do we want to hold off a year? Rather than taking a risk?

- Little Naches fish, catch with nets, live spawn 600 eggs per female.
- Incubate on the 20th.

Broodstock Capture: Bill Bosch

- Roza 94 hatchery adults
- 23 hatchery jacks
- 350 wild adults out of 727
- following 50% rule

Coho PSR/Risk Assessment: Joel Hubble

- Met Monday, July 7, 2003 to pick up where we left off.
- Todd, Howard, Keely, Babe, Todd P., use information we had on Tanum Creek.
- Reconvene Friday morning to initiate the matrix.
- Email to Todd P. and Todd N. Judith Woodward called Joel, she needs to get the masterplan completed.
- Risk assessment for coho and get to Judith next week so she can incorporate it and get it to Patty.

ISAB Report on Supplementation: Dave Fast

- CRITFC and Dave meeting next Tuesday, July 15, 2003 in PM to go over comments and what were doing in the Yakima.

OPERATIONS:

Prosser: Bill Fiander

- **June 10**, started moving pressure washer, pumps, etc. into old feed room
- Tour Prosser High School – 40 ppl
- **June 16**, They started wiring for spawning area electricity
- **June 18**, Renegade Metal Craft started working in RW1
- **June 25**, Wheeler crew finished.
- Electricians hooked up and finished spawning area doors
- Started getting raceways set up and ready for tagging
- **June 26**, Painted new pole building.
-
- Coho marked next week CWT by USFWS next week
- Not enough water running everything on well water
- 70 degrees is what the river water is.
- 57 degrees is what the well water is running at.
- Not enough to water up raceway or pond.
- Meet with Todd and Dave later this week.
- Start up on Monday
- How soon can we use river water? September.
- Tagging trailer of Cle Elum's?
- 400 steelhead on station doing well, hardly any morts.
- Inlet settling pond is completed. No water as of yet.
- June 30th was the graduation of MHCC students.
- Mike George at Klickitat Hatchery facilities
- DJ Brownlee at Cle Elum Hatchery facilities
- Michael Fiander at Prosser Hatchery facilities

Prosser Hatchery, JUNE 2003 YNPFC 02, Coho

Fish on Hand					Mortality		Food fed Brand & Size
Day	Pond #	lbs	No.	Size	No.	lbs	
6/30/03	LRW1	348.5	41,121	118.00	18	178	#2

Prosser Hatchery, JUNE 03, WCO002 Coho

Fish on Hand	Mortality
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Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
6/30/03	RW13	1764.3	119,974	68.00	26	706	2.0 Skretting
	RW14	1456.3	120,874	83.00	43	633	2.0 Skretting
	RW15	1643.2	119,955	73.00	37	670	2.0 Skretting

Prosser Hatchery, JUNE 03 Steelhead

Fish on Hand				Mortality			
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
6/30/03	C2	182			4		Frozen Krill
	C3	58			4		Frozen Krill
	C4	183			6		Frozen Krill

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	57.0

Fall Chinook: Joe Hubble

- Joel, Todd and Greg Ferguson meet last week.
- Joel thought that this needed to be evaluated.
- Holding area, three ponds riverside of hatchery.
- Make weir steps, long raceways, holding channel
- Could do this work by hand.
- Coho go up the channel, but not to much fall Chinook
- Successful on getting fish to use
- Convert one of ponds to an adult holding pond
- Rearing of coho? Still doing feasibility study.
- Melinda David doing Horn Rapids study

Cle Elum Supplementation & Research Facility: Charles Strom

- 503 adults for 2003 brood transferred to Cle Elum. Four wild female mortalities recorded to date.
- 2003 brood comprised of:
 - 289 wild females + 66 hatchery female = 355
 - 58 wild males + 22 hatchery males = 80
 - 40 wild jack + 27 hatchery jack = 67
 - TOTAL ON HAND = 502
- 14 precocials on hand held in circular tank #16
- Adults treated three times a week at 1:6000 ppm.
- 2002 brood end of month samples for June 838,581 on hand 221 fish/pound. Total 18 raceways (16 WxW, and 2 HxH).
- Start of June high and low group feeding rates set for October 15 marking size (Hi=30 fish/pound and Lo=45 fish/pound).
- Four river pumps supplying 13,500 gpm's to rearing ponds.
- River water cooled by Cle Elum Reservoir releases mean temp about 53°
- Jack Creek generators schedule for service machines two machines have accumulated 10,087 and 8,370 hours respectively.
- Clark Flat site cleaned and shut down in mid-June.
- Easton site is scheduled to be cleaned and shut down by July 11.
- Vehicle maintenance – John Deere tractor and riding lawn mower serviced, Hyster inspected and serviced, Dodge one-ton engine pulley adjustment fixed.
- All facility HVAC systems inspected and serviced for annual maintenance. Compressor for resident #1001 was replaced as old one was defective.
- All but main entrance informational signs are installed at kiosks includes acclimation site signs.
- Simon Goudy and Jason Rau attended Introduction to Fish Health course sponsored by USFWS.
- Vernon Bogar attended course designed to recognize possible signs and red flags of alcohol and drug abuse for employees.
- Patricia Bogar attended three day introduction to bookkeeping course sponsored by YN.
- DJ Brownlee started on June 23, 2003.

- Irrigation system for wetlands completed by Ray Carlan, of Wray Irrigation.
- Community Home and Garden completed paver and brickwork project on July 3, 2003.
- Fire Marshall Derald Gaidos of Kittitas County delivered emergency radio to facility. Please see attached document regarding hazardous trees to facility. Skookum tree service contacted to look at problem.
- Scott N. and Jason N. looked at noxious weed problem at facility.
- Easton Pumps: Rich Farrell, pump tech to remove adjustable one on 7/16 and do another pump test. Will remove part of actual pump.
- Signs are all up.
- Large entrance sign waiting for installation.
- Speaking with Dan Barrett. Volunteer ODFW manual.
- Job Announcement for Volunteers.

HABITAT: Scott Nicolai

- Tour of sites, release two species of insects that will eat knapweed and toad flacks these are the two problem weeds.
- The insects will not get rid of the weeds but...will slow the infestation rate.
- Bio control agents at River Pump Station in June.
- Patty will still need to do a NEPA.
- Jason Newquist, Vegetation Mgmt would recommend a release of both species.
- Knapweed is a huge problem
- Bio control weevils, they originate from Greece
- Will release at hatchery and Jack Creek
- Will get an answer from Patty by Friday and she will do a write up
- Scott would like to do this by Monday.

Manastash

- Two meetings set with the irrigators
- Trying to spend money.
- 3-4 million for flow.

Hanson Ponds:

- Tipping off for construction for this year.
- Permits were sent back three times incomplete

Coho: Joel Hubble

- Pre season forecast for Coho?
- Bill Bosch said there is not really anything we have set for coho forecasts just guess with the numbers at Bonneville.
- Maybe look at McNary counts.
- In season McNary counts may help. Bill will see what he can work with.

Data: Bill Bosch

- Been working with Bill Sharp (master plan)
- Still has a way to go with, may have enough for small circulation and time for comments.
- Working with University of Washington for setting up database for adult ladder counts.
- Set up meeting on data retrieval on July 23rd, mainly for technical people.
- Will continue to place Prosser History on site.

Budget:

- Policy Tech one still in progress
- No signed contract as of yet.

NEPA: Patty

- Tillman Creek BA to be completed and submitted to Services.
- Preparing Supplement Analysis for release of bugs at Hatchery.
- Dave Fast to confirm terms and conditions of Section 10 Steelhead Permit at Roza.

- Look at Nelson Springs drawings to see what NEPA needs to be done.

Meeting Adjourned

Next Meeting: August 13, 2003 at Nelson Springs 9:00 AM

Next Meeting: August 19, 2003 at Nelson Springs 9:00 AM (last week postponed due to scheduling conflicts).

MEMORANDUM

DATE: September 9, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, August 19, 2003

The Yakima/Klickitat Policy Group met at Nelson Springs. Those in attendance included: *Melvin Sampson, Pat Spurgin, Dave Fast, Todd Pearsons, Todd Newsome, Joel Hubble, Bill Fiander, Bill Sharp, Bill Bosch, Scott Nicolai and John Easterbrooks.*

Meeting comes to order at 9:15am.

Agenda Review:

-EDT at 10:00am, Bob Rose, YN Fisheries Biologist will be attending and discussion under #2 STAC/D Fast
-Charlie Strom had other activities scheduled and will not be in attendance.

DOMESTICATION STATUS: Dave Fast & Todd Pearson

-Age "0" are the predominated precocials
-Hatchery fish is age "1" precocials
-females went out but the males did not.
-The fish that Mark had seen at Roza were all males. Males opted not to go out?

-Chillers at Nelson Springs
-Pumps fixed as of August 18, 2003
-four circuits to run chillers
-water from hose to chillers
-jet pump
-all set up in garage for 6,000 eggs.

-pump overheated (mistlers)
-don't know the output of the pump. The purpose of the pump is for the mister. Mistlers are to run continuous, but....after 45 minutes is was running hot.
-need to get a higher end pump.
-take 2-3 weeks to get pump ordered.
-collecting fish out of the Naches.
-Live spawning the females.
-capture and kill the males.
-originally today was the date to go out – changed to next Tuesday (8/26/03).
-Next date would be 9/2/03 any date after this your running out of time. 9/9/03 is the peak. Anything after this your not good.
-increasing work on carcass data collection.
-Anthony's team and Anne Stephens team is doing this starting this week.
-photographing and measurements.
-NOAA will have equipment that measures.
-Curt Knudsen is the guy to ask for this information.
-American River, Todd & Anthony seen 80 redds, less than one-year juvenile prococials.
-four dead were all redd. These were all males.
-also seen two Bulltrout.
-Bull trout surveys will start next week. Weir in just below 410 bridge, Crow Creek and Union Creek holding pool. Will hold 50-100 Bull Trout (Richard Visser has seen these fish).

HGMP's

-Meeting in Pendleton last week Dave Fast and Rick Applegate attended.
Reams of data that we can put in there, but....a summary is all they want. Frustrated, could/would be nice if they can streamline. Data you can't use by cutting and pasting. So much different formatting. Bill Sharp indicated that Klickitat has been tasked with HGMP's with YKFP, going through these forms is tough. Still looking at end of August deadline. ARP reports? HGMP reports? Dave Fast went

through the HGMPS for all species. Lynn Hatcher, NOAA suggested that we do one for Coho. Dave F. indicated that is really not hatchery. The report was disturbing. They lump together Satus & Toppenish. Lee Carlson may have been at this meeting (as per Todd N.)

OPERATIONS:

Cle Elum Supplementation & Research Facility: Charles Strom

- 552 adults for 2003 brood transferred to Cle Elum with eight mortalities recorded to date.
- 2003 brood comprised of 302 wild females + 70 hatchery females = 372, 63 wild males + 34 hatchery males = 98, 50 wild jack + 32 hatchery jack = 82 for a total on hand of 552
- adults treated three times a week at 1:6000 ppm.
- 2002 brood end of month samples for July 837,825 on hand @114 fish/pound. Total 18 raceways (16 WxW, and 2 HxH). Start of June high and low group feeding rates set for October 15 marking size (Hi=30 fish/pound and Lo=45 fish/pound).
- Four river pumps supplying 13,500 gpm's to rearing ponds.
- River water Cooling Facility turned on July 24, Daily recordings show that it cools down river water temperatures by three degrees. Also turned on wells 1,2,5, and 6 to add cooler water to system.
- Jack Creek generators serviced by NC machinery.
- Received extra help from YN Chandler Crew. They will be working at Cle Elum and once marking & tagging starts they will switch to that task.
- Chiller, Walk-in Cooler, and Freezer had annual maintenance performed by Raincountry Refrigeration.
- Hosted Open House on August 16th. Big thanks to all who participated and attended gathering.
- Generators to resident #391 & #411 inspected both needed trickle charger replacement.
- All sixteen precocials were lost as flow to circular tank #16 was lost.
- Charles Strom attended a supervisory & organizational class this month.
- Easton variable speed pump pulled and impeller measured at 8.125" diameter will replace with impeller measuring 9.125" to see if this achieves desired flows. Tentative installation and pump curve date is at the end of this month.
- ZBK enterprises was selected to remove hazardous trees by Charter Row and around three new modular homes (Bogars, Parrish, and Brownlee residents)
- Concord cleaned spawning channel. Would not have been possible to clean if it the assistance of the Coho Reintroduction Program (Bill F. and Joe B.) as they let us use their portable pump to supply water to channel for cleaning purposes.
- Ellensburg Cement graded Charter Road and scheduled to apply surface to road in a couple of weeks (first part of September).
- Well #4 serviced by Triad needed contactors cleaned prior to start up of well.
- Greg S. and Simon G., received yearly performance evaluations.
- Simulated power outage for facility by removing phase B from service. Triad was on site and removed this fuse and generators powered facility once commercial power was lost.

E-MAIL MEMORANDUM from: Rich Farreell/CH2M HILL

July 18, 2003 PumpTech removed the variable speed pump (Pump No.1) from Easton Pump Station and returned it to their shop in Bellevue. Before removing the pump, they conducted a shutoff head test on both pumps to confirm the readings Pete Wiedemann and I recorded several times previously. Pump No. 1 had a shutoff head of 12.0 psi and Pump No. 2 had a shutoff head 15.0 psi. The 15 psi shutoff is the correct reading for the impeller installed.

When Pump No. 1 was removed they found that it had two pieces of timber lodged in the intake area and a piece of rubber on the impeller. This explains why it had a lower than expected shutoff head reading and also why it never produced the flow that Pump No. 2 produced.

At the PumpTech shop we inspected the pump and measured the impeller size. It measured 8.25-inches as closely as could be determined. It was certified with an 8.125-inch impeller, which seems to be as reasonable close to what was measured. It does have the correct trim. With the specified trim it is supposed to produce the required 2,520 gpm but had been giving us only about 1,800 gpm.

We placed an order for a new impeller having a 9.125-inch diameter. According to the pump curve, it should produce about 3,200 gpm. Since this is the variable speed pump, we can adjust the speed if necessary.

The pump manufacturer, now identified as Ruhrpumpen from Calgary, will not certify performance unless the entire pump is shipped to their factory. We will field verify the performance rather than ship the entire unit. It should be installed and ready to test at Easton before the end of this month.

I will keep you updated.

//Rich//

PROSSER: Bill Fiander

The July monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima Coho. The objectives for July include fish culture, facility maintenance. Daily operations and maintenance continued at both production facilities-PH and MDH.

Fish rearing

Prosser Hatchery

July 1 Pressure washing raceways
 July 8 USFWS set up tagging trailer
 July 9 LCRFHC Checking on fish health. Gill disease starting. Started 1st treatment
 Repairing steelhead crowder nets.
 July 14 USFWS tagging YNPCO-02
 Started building new scaffold for ponds.
 July 15 USFWS finished tagging.
 Started feeding medicated feed.
 July 16 Hooking up new fans in chemical building
 July 24 Took fish (Coho) to LCRHC.
 Finished scaffold.
 July 25 Painted scaffold.
 Cleaned facility and hauled garbage to the dump.
 July 26 Finished the medicated feed regime.
 July 29 Took fish (Coho) to LCRFHC.
 Patching Liner in raceway.
 Started cleaning and setting up e.
 July 30 Finished cleaning and preparing e.

Marion Drain Hatchery

Regular maintenance continues daily – cleaning screens, feeding, and general upkeep.

Administrative

July 2 Working on Tribal budget and Lower Yakima River O&M Budget.
 July 21 Defensive Driving course.

Prosser Hatchery, JULY 2003 YNPCO 02, Coho

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
07/31/03	LRW 2	340.2	19,972	58.70	33	129	1.5 Moore Clark
	LRW 4	273.6	16,039	58.63	4	108	1.5 Moore Clark

Prosser Hatchery, JULY 03, WCO-02 Coho

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
07/31/03	RW13	5157.2	119,854	23.24	120	1156	1.5 Moore Clark
	RW14	2719.0	117,243	43.12	3631	1026	1.5 Moore Clark
	RW15	2012.6	87,526	43.49	32429	783	1.5 Moore Clark

Prosser Hatchery, JULY 03 Steelhead

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
07/31/03	C2	174			8		Krill & Pellets
	C3	57			1		Krill & Pellets
	C4	174			9		Krill & Pellets

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	57.0

EDT: Bob Rose/Joe Hubble

Discuss public and outside agencies using model that Lars Mobernd created. Need control of the process. The software can be pulled from the website, but...afraid that once the software is accessed that people will not know how to use properly. If people want to use maybe we should have a workshop on how to run scenarios. Its not hard, but....we should have people using them that know how. At least instruct them how to use. There are only two people that can change any data.

Attributes may change and Joel would explain these in the instruction part of workshop.

Bob Rose: "We ran this through the EDT process and this is what we came up with: These are some of the things that people will come and ask."

- Run you project through the EDT process
- People have to have an understanding of attribute or the definition if you were to run training. This is how you should set up. First you would need to know how to fill out. Second if you want to run the model, this is what you would do.

The screening process? Priority

Someone writes a proposal, benefits of the project and the EDT process will show you where the priorities are in these projects.

The right person to go to for accountability will or should be the lead entity. (Scott N.) Mobernd is not equipped to explain to people in training people how to run the EDT. Mobernd does work statewide but....even though he is contracted to do this modeling.

"How do you merge the EDT process into these groups without BPA making these decisions"? (Mel)

-BPA is not the decision makers on these projects.

Bill Sharp – "Is there going to be SFBD money around in the future"?

Scott N. "yes, but....the pot maybe smaller".

Bill S. does see this in the Klickitat. The Klickitat County will not use the EDT process. The Commissioners will not let any other entity have any control. This is why Bill is hoping to use the Master Plan and the Subbasin Plan. Klickitat County does not have a process in using/ranking any projects.

- January is the deadline for submitting. Rick will look at and define the contract obligations.
- EDT defines what products should be produced.
- How is the state using the EDT? And not giving any money to Mobernd?
- Is the state using it yet?
- Todd will see if and where the state is at using the EDT modeling.

KLICKITAT: Bill Sharp

- Spring Chinook spawning today 8/19/03
- Surplus fish hauled above.
- Spawning today at hatchery. Two tribal members at site and one M&E guy, and the Data Manager (M.Babcock).
- Castile Falls milestone opened top tunnel this portion is done.
- Tunnel 4&5 is more expensive then lower tunnel. This is using a big chunk of money.
- Acclimation money may come from Mitchell Act dollars or BPA.
- Will have some money left over to get to phase one.
- The tunnel turned out excellent (vertical slots)
- 4&5 will be done maybe end of the month. Addendum to Apollo to extend date.
- Demobilizing lower tunnel.
- ESA clearance?
- Main construction will continue next spring.
- Will work until the snow flies.
- When 4&5 is complete Castile will be done.
- Lyle Falls, 2.3 million with no Mitchell Act dollars.

- Master Plan production numbers for ESA Compliance. Working with Greg Ferguson.
- Chiller is critical there in order to do better job.
- Developing Wahkiacus better.
- Early incubation
- \$80.00 to DOE for permit – surface right (rails-to-trails)
- September 12, 2003 is Open House (Friday).
- Stream Stewardship will be painting fish logo's on all manholes.
- Thursday will be interviewing Biologist. Selected will be half with Will Conley and half YKFP M&E.

HABITAT: Bill Sharp

- Klickitat Meadows SRBD contract (bank stabilization)
- Klickitat River & Kessler Meadows. Interfluves doing the work of structures, wood and in stream work.
- Arch pipe culverts w/SRBD dollars.(White Creek, Deer Creek)
- Klickitat Mill Project gearing up for construction.
- Energy overlay document. September 5th comments are due. (document full of holes)
- Maybe follow up with an extension with Klickitat County for comments. Don't know if you can do with an ESA? Asked Carroll Palmer if he could head this up.

SALMON RECOVERY: Bill Sharp

- Idol not much going on through the summer.
- All species pushed through the Strategic Plan. Activities were placed on hold.

HABITAT: Scott Nicolai

- Land protection, need to come up with strategy.
- Manastash moving along – contract amendment for Harza to see water potential water to put back into creek.
- Early season next year will do another amendment to continue this work.
- 1/6 of the money and 1/3 of the water
- We get 2/3 of the water forever.
- 85% of the water for ten years and then after the ten years they get it back.
- Tillman Creek meet with contractor on wetland.

COHO: Todd Newsome

- Late run Coho/early run Coho
- New acclimation site (Boon Pond) Cle Elum by the bridge by the Hatchery.
- Shallow pond on left bank/connected to the river.
- John E. indicated that this was looked at years ago to acclimate spring Chinook.
- Todd P. wanted to know why were looking at new acclimation site?
- Volume of water is good.
- Predator birds are a problem in this area.
- This will be for the in basin fish.
- Out of basin fish in lower area.
- Will all the predator birds go to Easton?
- Fish in Boon Pond will be in there for two-years.
- Flip to another site the next two-years.
- Predator birds (Mergansers) may not live past five-years.
- Flip Flop Clark Flats and Easton.
- Next two-years Easton is off the table.
- Boon is the new site.
- Will help them with litigation for use of the property.
- The neighbor is leasing his water to a board member.
- 20k in Boon Pond and 20k in Lost Creek.
- This process needs to be run through David Byrnes and Patty Smith.
- There is time to do this process
- This year were not pit-tagging any Coho.
- Thursday meeting with Travel Hull on Cowiche Trap.
- Fall Chinook swim in channel at Chandler for adults coming back.

Late Run Coho:

- 2.5 million extra Coho. Mostly from Lewis & Washougal. December maybe November.
- Are there large floods during this period?
- Historically we think there early runs, but...what is they are not?
- Could the Coho be running out of gas? (the theory is still there)
- Taneum Creek should tell us this.
- Do we see anything bad running late stock?
- This is being placed on the table for now.
- Quoting this language in the Master Plan? Joel H. will ask Judy to place in.

DATA: Bill Bosch

- Bill Sharp and Judy Woodward working on Master Plan
- Prosser e Trap is up and running.
- Data meeting on July 23, eight people showed up. Summary Report of Data Will use Draft outline.
- Will take up to a year to develop this. This time next year will have report done.
- This will be used for in-house to help with frequently asked questions. (reference document)
- Bill B.'s highest priority (when not doing other duties as assigned).
- Prosser Counts –v- Roza Counts. Why the number discrepancy?
- Jacks are counted as adults. This happens at Roza because they were counting large #4's as #5's and this was not correct. When the scales were read, they were just large #4's and not #5's. Jacks are called these just by visually looking at.

BUDGET: David Byrne

No Report Given

NEPA: Patty Smith

No Report Given

Meeting Adjourned

NEXT MEETING: September 12, 2003 at 9:00 am. Wahkiacus/Klickitat Field Office
Before the Open House.(Noon-4:00)

MEMORANDUM
Policy Group Minutes September Through December 2003

DATE: September 12, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, September 12, 2003

The Yakima/Klickitat Policy Group met at Wahkiacus Field Office. Those in attendance included: Melvin Sampson, Bill Fiander, Vern Bogar, Todd Pearson, John Easterbrooks, David Fast, Pat Spurgin, Charles Strom, Joel Hubble, Bill Sharp, Todd Newsome, David Byrnes (along with two guests Michael & Jonathan). Guest speakers on their projects were: Rolf Evenson, Mike Babcock, and Will Conley.

Agenda Review:

- Scott Nicolai is unable to attend meeting. Touring with a group of people on Hanson Ponds
- Push meeting to get through before noon. This is when the open house ceremony will start.
- No other changes.

OPERATIONS: Billy Fiander

August monthly update for Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima Coho. The objectives for August include fish culture, facility maintenance. Daily operations and maintenance continued at both production facilities-PH and MDH.

Fish Rear:

Prosser Hatchery:

August 5	Pressure washing raceways Repairing nets for the and the seining nets. Building spawning rack. Putting bars in the incubators. Cleaning our pond 2.
August 7	Started vacuuming raceways.
August 14	Finished vacuuming raceways.
August 19	Painted and waterproofed new spawning racks.
August 21	LCRFHC here for monthly check-up
August 26	Fish were acting weird – took sample to LCRFHC
August 27	LCRFHC here to check fish for Furunculosis.
August 28	Fish have Furunculosis, ordered medicated feed.

Marion Drain Hatchery:

Regular Maintenance continues daily – cleaning screens, feeding, and general upkeep.

Administrative:

August 4	YN Fisheries staff meeting.
August 8	Meeting at Nelson Springs on APRE at 9:00 am
August 19	Policy Group Meeting at Nelson Springs at 9:00 am

Prosser Hatchery, August 2003 YNPCO 02, Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
08/31/03	LRW 2	645.8	19,955	30.90	17	178	2.0 Skretting
	LRW 4	487.4	16,017	32.86	22	143	2.0 Skretting

Prosser Hatchery, August 03, WCO-02 Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
08/31/03	RW13	645.8.8	119,681	18.53	173	1630	2.0 Skretting
	RW14	3740.3	115,574	30.90	1669	1155	2.0 Skretting
	RW15	3221.0	87,354	27.12	172	857	2.0 Skretting

Prosser Hatchery, August, 03 Steelhead

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
08/31/03	C2	160			14		Krill & Pellets
	C3	56			1		Krill & Pellets
	C4	162			12		Krill & Pellets

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	57.0

HABITAT: Scott Nicolai No Report given. (Scott is on tour in Cle Elum.)

COHO: Todd Newsome

- Finish swim in ladder
- Made 300 sandbags
- This is for falls but...coho may use
- Move broodstock & move down there (McNary Dam)
- Demonstrate that enough fish are using ladder? To use as broodstock.
- Some of the fish are not all marked.
- 1.7 mil from LWNFH cwt
- Marion Drain issue? (No matter where you collect you will end up getting some fish)
- Don't collect brood from the
- Water temp drops
- 900 falls that goes thru the trap.
- Marion Drain fish may hold up under the bridge. Other fish are hatchery fish.
- Marion Drain redd counts are pretty stable. Don't appear they are being pulled into the canal.
- Melinda is starting to really get dedicated to this project.
- Early next spring this will be brought up in the Master Plan.
- Coho that do use this swimming canal will be worked up, as if they were in the trap.
- Draft on Master Plan is done.
- Talked with Washougal Folks re: fish haul, spawn in mid-December. Split 12,000 to Naches and 12,000 to Yakima.
- Next week spawner ground surveys.
- is up and running going to be radio tagging coho.

KLICKITAT: Bill Sharp

- 190,000 construction for Wahkiacus. Remaining from Castile Falls.
- This will get us to Phase I
- Two million coho on site.
- Good quality ground water

- Split of four million eggs
- Available spawning in this area
- Two million hatchery fall chinook
- One million coho at Wahkiacus.
- River pump will be for acclimation of coho
- Ground water for incubation of falls.
- 20 cfs pumped in six-week period.
- Coho is not production, mainly supplementation.
- Mitchell Act money.
- Chapter one of Master Plan shows organization of the book/document organization.
- Judy W. is working on.
- HGMP documents being redeveloped.
- Klickitat Hatchery still working on transition October 1, 2004
- Maintain State Folks at the Hatchery if they want to stay.
- Ron Ballard and hatchery crew will be here this afternoon.
- Majority of staff do want to stay at hatchery.
- Justin Hamilton may want to leave? He's only been there for four-years..
- Steelhead Aqua Culture. Ron Ballard will be good for the hatchery if he decides to stay.

M&E Project: Rolf Evenson

- Spawner surveys, steelhead-spawning results for 2003.
- Numbers are higher than in past, because we go more complete coverage. White Creek was excellent. Little Klickitat, lots of blanks, good try at bottom of eleven mile.
- Bolman Creek had an impassable barrier.
- Finding steelhead spawning in mid to late January to late May. This is going to be five-months.
- Spring chinook results: mid-August started doing the sweep. GPS'ing redds, lot above Castile Falls. Fish haul.
- Fishing three screw traps. One above Lyle Falls, Preliminary 20% at 700 cfs.
- Two at Castile Falls between fishway and falls. 700 cfs.
- Were looking at 636 ecf
- Moved trap or consistent revolution of the trap.
- No real time gage on this gage.
- All this info goes to Data Manager (Mike Babcock)

Mike Babcock, Data Manager:

- My first few months on the job were spent in familiarization with the program.
- A database was designed for Thermo graph data.
- Data from thirty one water and four air temp sites was error checked and imported into the database
- An interactive graphing function was developed to allow analysis of the data by various criteria.
- A current project is screw traps. Data logic is in place and old data is being error checked and imported.
- Would like to have all M&E data collection standardized before hatchery comes on line.
- Have spent some time at Klickitat hatchery facility to assess data management needs.
- Will be going to Cle Elum Hatchery to observe their data collection and management set-up.
- Sharing of data over the internet was brought up. I have been monitoring the Nelson Springs folk's progress in sharing data on the web while evaluating our data with respect to what information will be useful, appropriate and realistically feasible to share on the web.

Habitat Project Status: Will Conley

Klickitat Mill Passage Restoration

- Klickitat County finally signed agreement in mid-July
- Funded by BPA, SRFB, and MCRFEG
- Primary project coordination, design, and construction by WDFW
- Permits received
- Construction started on flume, dam, and road crossings
- concrete baffles will be installed in flume, culverts replaced with bridges, and dam removed

Klickitat River Meadows (Caldwell Prairie/Kessler Ranch)

- Design complete; will involve collection and placement on up to 274 trees into 10 different debris jams along 9500' of stream
- Construction is funded by SRFB; matching BPA funds for design, materials, and project management
- Will be marking trees next week. Placing trees in river (rootwads attached on about 50%)
- boulders will be cable-epoxied to debris jam members for ballast

Cedar Valley Roads Assessment

- White Creek a real good Steelhead producer; assessment is looking at hydrologic changes attributable to roads

- Funded by BPA
- Field work and hydrologic modeling complete
- Just received draft report; will review and comment to be incorporated into final report

Klickitat Meadows (Diamond Fork) – Phase I

- About nine-miles upstream Diamond Fork Creek on WDNR land in Tract C
- MOU with WDNR completed last spring
- Phase I construction is funded by SRFB; matching BPA funds for design, materials, and project management
- Eight work sites identified; Phase 1 is focusing on two sites (greatest threats to vertical channel stability).
- Design is complete; will be out for bid in Sept/early Oct
- Construction to begin in mid-October and proceed until complete or snow precludes access to the site

Klickitat Habitat Database

- Relational database for storage, querying, and reporting of Klickitat habitat data
- Modules for LWD, Habitat Units, and Reference Point data; separate database for thermograph data
- Created new tables and form for Level II LWD data; provides more information on size

Joe Zendt:

- ¾ time on YKFP Habitat Monitoring and has 3-½ years experience in basin. Mainly in forested area of reservation.

Greg Ferguson/Bill Sharp

- Working with the State folks.
- Showed handouts to people in PGM. Two scenarios “What to do with the hatchery existing?”.
- Input from Ron Ballard and Ted they know the hatchery inside and out.
- Requesting additional money from Mitchell Act funds.
- Will be going through and prioritizing.
- Species for supplementation for facility.
- Will continue with out of basin for production of steelhead and coho.
- Greg F., 2010 objective “where we want to be in the future?”
- Move to smaller smolts?
- This plan depends on having smaller fish.
- This will take time.
- Some fish to be acclimated.
- These will need to be discussed at Policy level.
- Fall chinook is working well at the hatchery.
- Wahkiacus Hatchery is not designed to raise fall chinook. Will need to re-design.
- Steelhead program will need to be tested and run through.
- Improvements to hatchery need to be made before raising any steelhead.
- Hatchery water line needs to be replaced.

DOMESTICATION: Dave Fast & Todd P.

- Hatchery at Nelson Springs is set up
- Ten chillers outside of garage (two chillers are currently running)
- 13.7 degree
- 6.3 were chilled down.
- The misters are running “misting” well.
- Collect fish on Wednesday.
- It was brought up that fish are spawning in Crow Creek. By next week there may not be any fish to spawn.
- Weir was just installed at Bull Creek.

PSR: Comments are due Monday by 5:00pm back to Judith and then she will do a final draft.

CLE ELUM SUPPLEMENTATION & RESEARCH FACILITY: Charles Strom

- 579 adults transferred to Cle Elum for the 2003 season. Total mortality recorded as of 9/10/03 is 20 salmon.
- First sort was done on 9/2/03 and wild and hatchery figures are as follows;

	Female	Male	Jack	Total
Wild	222	150	47	419
Hatchery	71	47	26	144

- Total estimated egg take for 2003 brood 196,691. Hatchery 115,710 eggs (24 females – 4821 eggs per female). Wild 80,982 eggs (18 females – average fecundity 4499).
- 2002 brood end of month samples for August 837,420 on hand @70 fish/pound. Total 18 raceways (16 WxW, and 2 HxH). Start of June high and low group feeding rates set for October 15 marking size (Hi =30 fish/pound and Lo =45 fish/pound).
- USFWS sampled a few rearing ponds found Costia and Ich a couple of our rearing ponds. Will keep an eye on daily mortality.
- Four river pumps supplying 8,500 gpm’s to rearing and research ponds.
- River water Cooling Facility has been in operation since July 24. Daily recordings show that it cools down river water temperatures by three degrees. Wells 1,2,4,5, and 6 to add cooler water to system.
- Well levels dropping will turn RWCF off if cooling trend continues.
- Received extra help from YN Chandler crew. They will be working at Cle Elum and once marking and tagging starts they will switch to that task.
- Well water turned on to incubation August 27.
- Back up power supply to residents #391 and #411 were repaired by Triad.
- Easton pumps still waiting for parts to return from shop. PumpTech to pull pump and change out impeller. Waiting for bushing replacement, should be in this week if not this week for sure next week.
- ZBK enterprises removed hazardous trees by Charter Row and around three new modular homes (Bogars, Parrish, and Brownlee residents) on August 25-29.
- Ellensburg Cement graded Charter Road and applied chip seal to road.
- Jason Rau assisted the Klickitat Hatchery in spawning on August 19.
- Simplex inspected all fire alarm systems including smoke detectors and audible alarms.
- Traffic signals lights inspected by Perfect Timing Inc.
- Carol Craig has been working with YN Cultural Committee for the Dedication to Levi George going to be held September 26, at Cle Elum Hatchery.
- Jennifer and Anthony working for the state and located at the Cle Elum Hatchery. They both have been working out well.
- Camp host, early April – October would like this in place by spring of 2004.
- Excess HxH. Separate HxH in four years at Roza/double clipped HxH.
- 10-15 can be turned lose.
- 7% of over population – use as your buffer.
- Next week when sorting – turn them lose (the green ones).
- This would be a micro-manager decisions
- Five totes were left in freezer last year, so...when do we want to place disease free carcasses back into the river?
- Profiling is done end of October. Place back in spawning area. Can Mark’s crew do this?
- Dave Fast and Todd P., will work out the disposal of carcasses.

BUDGET: David Byrnes

- All have new contracts
- In the next week work these will be sent through e-mail to all agencies.
- Current contracts are moving along smoothly.
- Pay special attention to Annual Reports for the Klickitat: Quarterly’s & Annuals are critical in submitting.
- Monthly’s and finals from Charlie & Bill are good and always filed away in the project file.
- Good coordination on the Nelson Springs Project.

NEPA: No Report Given

Meeting Adjourned

Next Meeting: Nelson Springs on October 15, 2003 9:00am.

MEMORANDUM

DATE: October 27, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, October 15, 2003

The Yakima/Klickitat Policy Group met at the Nelson Springs Office. Those in attendance included: Melvin R. Sampson, Charles Strom, Todd Pearson (along with office assistant Charity), Dave Fast, Bill Bosch, Bill Sharp, Jeff Spencer, Bob Rose, Patrick Spurgin, Todd Newsome, Scott Nicolai and David Byrnes and Patti Smith called in at 10:15.

Agenda Review:

David Byrnes not attending and will be calling in at 10:30 as will Patti Smith. Bill Fiander not in attendance and will get his report to Carol Sue next week. Bob Rose and Jeff Spencer will be presenting a report on the Subbasin Plan.

COHO: Todd Newsome

- run is over 1,000 fish at Prosser, a lot of wilds
- denile is collecting broodstock
- 45 fish radio tagged, above Cowiche Dam/Mabton
- releasing above Sulfer Drain
- snagging is still a problem
- using both ponds Styles and Holmes. Did write in Master Plan
- will run aerators at Styles.
- Late run fish still coming in.
- All broodstock going
- Waiting for Masterplan to go through
- Three separate stocks o fish.
- Marion Drain water is well water
- Take eye eggs out of basin
- Willard is going to be shut down.
- Lewis River is disease infested, but Wahsoulgal looks good.
- Fish rescue next Tuesday at Chandler Canal
- Job Corp will have 10 people available to help.
- Vern Bogar from Hatchery will be coming down with a truck.
- Susan Gootanberger suggested cook & freeze fall chinook, these slabs for Ahtanum Creek? Todd P., suggested to Todd N., that he speak with Eric because they have controlled areas for carcuss analysis.

STAC:

DOMESTICATION CONTROL: Dave Fast & Todd Pearson

- Nelson Springs Hatchery ran with Chillers last two weeks.
- Glen Sandburn will be here to today to disassemble
- Did not collect adults and run through
- Were not able to collect
- Will be on board and ready to go next year.
- We should make a formal record of this for next year. Place on decision making document.
- Three decision documents need to be done 1). Wild Control Line 2). Fall Chinook/Steelhead/Sockeye/Lamprey and 3). Don Larson

SPAWNING CHANNEL SUMMARY: Dave Fast & Todd Pearson

- Opened it all up, fish through and out the canal placed in on Wednesday and observation on Thursday and Friday and pretty much wrapped up. Had a successful run of spawning channel; towards the end didn't think we were, just due to the water? But... everything turned out well.
- Issue that Charlie Strom & Steve bough up.

- Channel is after thought...works off of efficient water and no water to channel.
- By desiel pump to allow water to go to channel and still have water.
- This should be done in February or March, will be moving fish to acclimation sites.
- Mod in place soon, before December as per Todd Pearson
- Will need estimates done by Concord
- Mel suggested this be tested to see if it will work before getting work done.
- Charlie indicated that there is a way to have this tested before actual construction
- Charlie will talk with Rich Farrell and do a test with pump coming through slow.
- When should the test be done? Charlie suggests in April. Will still need to do a mod or budget for estimate for 04 money.
- Estimate for headbox to drain. Concord will be out on Monday to give estimate.

SUBBASIN PLAN: Bob Rose & Jeff Spencer

- Figure out how to make plans consistent within the basin.
- Thursday GIS products, information products can we find consistency in these etc. to take to other agencies, is this what we want?
- Three key areas brought out yesterday. Scientific foundation, what are your assumptions? And what do you want your subbasin to do? What are you premises?
- Will get together with Dave Fast on Thursday a.m. and get a format.
- Two model conceptions 2-3 weeks
- Conversation going on with NOAA regarding subbasin plans
- Wednesday 10/22/03 of next week, could be bringing some of these formats to this meeting.
- Two other components. How do you compile all this information to the synthesis? Level three is money do we get NOAA to help us for out of basin?
- Technical guide said we need to prioritize by geological and cost.
- Whats the degree of priority?
- Management Plan Assessments
- Plenty of work for the next few months.
- We have a track to follow now.
- EDT is the focus tool in the Yakima Subbasin.
- Compared to other basins EDT for the aquatic piece but...will not run the whole show.

KLICKITAT SUBBASIN: Jeff Spencer

- Identify data gaps
- Assessments done February 21st
- Conceptual foundation.legally mandate the US v OR doing the conceptual. Foundation getting ahead of doing the management plan.
- NOAA has been reluctantly to get on board.
- Management Plan are goals for the program, community values and this is one of Jeff's concerns because he feels the community values are not towards the fish.
- 22nd meeting at Ellensburg. Bob will find out TRT folks should be in attendance.
- Early November will have another meeting re: Policy, Bob Burgert will be facilitating the meeting.

STAC: (Con't) Dave Fast & Todd Pearson

COHO MASTER PLAN:

- Final report done.
- What Master Plan is next?
- Steelhead would be the next one.
- This will be made on a decision document.
- Decision documents will go Steelhead, Fall Chinook, Sockeye and Lamprey
- Melvin will get with Joel Hubble to see who received the Coho Masterplan via e-mail? As per David Byrnes will need to send hard copy to Patti Smith to do a NEPA for Master Plan.
- YN Tribal Council approved Law Suit again BOR. Dennis Hudson is the lead on this. Doing proposal for congress for permanent facilities which will get passage.
- There will be a meeting at 1:00 pm 10/16/03 and Dave Fast will attend.
- The Internal PAR has been set for December 10th and 11th at the M&E Building at Cle Elum Hatchery.

OPERATIONS:

Cle Elum Supplementation & Research Facility: Charles Strom

- 584 Adults transferred to Cle Elum for the 2003 season. Total adults mortality adult (17 pre-spawn morts + 49 post-spawn morts).
- Estimated egg take for 2003 brood.

Cross Type	Estimated egg take	# Female spawners	# male spawners	Estimated eggs per female
WW	885,288	200	104 adults + 11 jacks	4426
HH	227,585	51	26 adults + 4 jacks	4462
Total/average	1,112,873	251	145	4434

- BKD Results for 03 this year
- 2002 brood end of month samples for September 837,112 on hand @ 44 fish/pound. Total 18 raceways (16 WxW, and 2 HxH). End of September Hi sampled at 37 fish/pound and Low growth group sampled @51 fish/pound.
- Marking and tagging operation started October 13. Pit tag crew has finished up to pond 4 as of 10/14/03. Marking trailer is on pond 1.
- River temps have dropped allowing the facility to shut down River Water Cooling Facility and four wells on 10/03/03. RWCF operated for three months for this season.
- Pacific State serviced pit tag decoders at all acclimation sites.
- 57 fish transferred to spawning channel on 9/24/03.
- Concord Construction contacted to look at valve repair for Jack Creek Acclimation site.
- Annual inspection of radio and fire alarm systems completed in the month of September.
- NC Machinery serviced all generators at Cle Elum and the Easton and Clark Flat Acclimation sites.
- Clark Flat pumps scheduled to be pulled on 10/15 03 for pump inspection.
- Post spawning meeting scheduled for 10/29/03 at Cle Elum M&E building at 9:00 am.
- Ordered road signs for Charter and Spring Chinook Way roads.
- Dedication for Levi George held on 9/26/03.
- Carcass update (Dave Fast & Todd Pearson)? Dave Fast will talk with Mark Johnston to see if we can streamline at bridges instead of walking. (584 carcasses = 3-4 totes)
- Will do as we did in the past and then bring up carcass disposal at the Internal PAR.
- Don Larson sent Charles an update and would like to do a prococial study same as last year with the exception on ponding earlier.

PROSSER: Bill Fiander

Prosser Hatchery:

- September 2, put bird netting over raceways
- September 3, Built shelves & installed pole building.
- September 4, RW 14 was started on medicated feed for Furunculosis.
- September 5, Constructed and installed new work up tote for denil.
- September 7, Started denil running
- September 8, M&E crew began work on swim-in channel
- September 9, Constructed new tables for work-up room at denil.
- September 16, moved LR2 and LR4 into RW1
- September 17, Put new cover on steelhead tank.
- September 22, LCRFHC here for monthly inspection.

Marion Drain Hatchery:

- Regular maintenance continues daily – cleaning screens, feeding, and general upkeep.

Administrative:

- September 12, Policy Group Meeting at Wahnkikus (grand opening of facility)
- September 25, Meeting w/LCRFHC on fish health care for all of our facilities.

Prosser Hatchery, September 2003 YNPCO 02, Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
09/30/03	1	1183.8	35,823	30.26	107	91	2.0 Skretting

Prosser Hatchery, September 2003, WCO-02 Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
09/30/03	RW13	9816.3	118,581	12.08	1100	1152	2.0 Skretting
09/30/03	RW14	5396.9	114,306	21.18	1268	1621	2.0 Skretting
09/30/03	RW15	4173.9	86,192	20.65	1162	1593	2.0 Skretting

Prosser Hatchery, September, 2003 Steelhead

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
09/31/03	C2	146			13		Krill & Pellets
	C3	54			2		Krill & Pellets
	C4	151			11		Krill & Pellets

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	57.0

KLICKITAT: Bill Sharp

- Master Plan is moving along
- Steelhead brainstorming with YN members, will contact Umatilla
- Aquaculture of Steelhead
- Information forwarded to Judy for MasterPlan
- This month YKFP review
- HGMP information back to state and NOAA
- Meeting on October 22 in Vancouver on HGMP and next review
- Will Conley's Habitat projects are in full swing in upper Klickitat, Kessler, the large woody debris structure.
- Rolf Evenson is out on leave and didn't get his numbers for his project.
- Spring Chinook numbers are on GIS map. Bill will get these numbers to by next week and have placed in October minutes.
- Surplus carcasses, they have BKD issues.

HABITAT: Scott Nicolai

- Hanson Ponds break ground next week or following week.
- 401 permit and biological permit next Wednesday.
- Heavy equipment contractor will be on site today. Pay him stand by time since he is renting the equipment \$1,400/day.
- Mountainstar delivered woody debris
- Walt Larrick meeting today to go to Kessler to look at woody debris. Meeting missed.
- Meeting w/Mark Johnston re: dropping water identified two redds.
- Working with Walt as a Liason to make sure they keep the wood (so large trees) for root rot for fish habitat. Will have trees next week.
- Over budget by 40,000 on Hanson Pond project.
- The state will pick up the cost of hauling trees.
- Todd N. and Scott will coordinate on meeting on Monday and see how to protect redds
- Minastasch...will do more runs next year.
- Hank Fraser broke ground on one of his projects last week.

- Lower Naches closed out (28 acres)
- Rick Swanson...still working on
- Next project working on is mile marker 401 Hanson Ponds

CONSTRUCTION/MAINTENANCE: David Byrnes

- Pump Easton/Clark Flat
- Policy level review on these pumps
- The report that Charles gets back on Clark Flats will be informative to David's meeting for the performance of the pumps.
- Highlight Clark Flat pump as being a higher concern.
- Nelson Springs, saw draft drawing and letters. Rich and Dave will meeting.
- Observation of David to clarify the letter (move some sentences from bottom to top of letter).
- Don't know when the Council will go with interpretive center? Don't know status yet?

BUDGET: David Byrnes

- Comment that Council has issues on 04 budget
- Expense spending that's in budget, is consistent and to our liking.
- One item that needs focus is construction. Council chose to essential ignore at the review as an back up that they use.
- That's what their numbers were based on.
- Our numbers were based on real time.
- Two numbers relate to two different assumptions.
- Is there a number that can be allocated or approved?
- Quarter years and annuals...emphasize on the important one of these.
- New Program Director Terry Larson, new to Fish and Wildlife but...is good with contracting processing.

NEPA: Patty Smith

- Today is Patty's Birthday 🎵 we sang Happy Birthday.
- Cultural Resource update on dumpsite. (candidate for historical site, old time dump). This is located across from the Hatchery
- Tillman Creek working with Marsha Fisher.
- Demolition plan for Nelson Springs yet? As per Dave Fast no current plan has been set.
- Klickitat Hatchery Transition? Bill Sharp said he has not submitted any, Biological or ESA issues. Will keep Patty informed.
- Klickitat MasterPlan Draft circulation in November? Bill S. will call and speak with Judy.

Meeting Adjourned

NEXT MEETING: NOVEMBER 19, 2003 at Due to Scheduling conflicts the meeting has been moved from Nelson Springs to Cle Elum M&E Facility 9:00 a.m.

MEMORANDUM

DATE: December 3, 2003
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, November 19, 2003

The Yakima/Klickitat Policy Group met at the M&E Building at the Cle Elum Hatchery. Those in attendance included: Melvin R. Sampson, Bill Bosch, Dave Fast, Todd Pearson, Todd Newsome, Melinda Davis, Bill Fiander, Charles Strom, Scott Nicolai, David Byrnes and Pat Spurgin (added by phone of 10:45 AM.) *These minutes were taken by Bill Bosch and typed by Carol Sue.*

1). REVIEW AGENDA:

2). STAC:

- Run size forecast. Naches/American is weak stock – may pose some additional management consideration for tribal non-selective fishery. David Byrnes – please post to web site.
- HGMPs. D. Fast and/or B. Bosch have been attending meetings. D. Fast handed out draft HGMP section 16 text for Yakima Basin stocks. Please review and give comments to D. Fast ASAP. Comments were supposed to be in to NOAA by 11/15. NOAA timeline is to complete HGMP's by end of December.
- Marking status on schedule to complete by 1st week of December. D. Byrnes wants to confirm request for upcoming seasons PIT Tags. System is showing request for 111k tags. Is this accurate need for 2005 season? Todd P., "Do we have M&E budget line items that can shift to cover additional (20k) tags (for fall coho)? Need to have this discussion at Internal PAR. Mark says new budget will reflect a \$45k budget increase to cover this.
- Patti Smith should be contacted regarding changes in fall Chinook monitoring and tagging needs.
- BPA reports need to organize both YKFP and BPA Yakima Basin reports sites so that documents can be more easily found.
- Internal PAR here on December 10 & 11th.
- Steelhead Master Plan status. Handout, decision document (should be 2003-03). Develop Master Plans for following species...comments to David Fast ASAP. Steelhead is next.
- Policy Group decision document 2003-02. Monitoring wild control line of spring Chinook in the Naches system (handout). Overview of sampling needs for Naches Spring Chinook (handout) Todd P. /Mel Sampson need to establish Why we didn't do work in 2003 (for the record).
- NOAA proposal for growth modulator work – Decision document. Use RW 19 for feed and ponding date work to determine whether precocialism can be reduced. Decision document to approve this work. Todd P. will e-mail out for review.
- Public PAR. P. James said have in conjunction with big conference during spring break. Todd P. issue would be payment of registration fee in association with conference. One of reasons we went to CWU was to get more people but...registration fee might limit attendance (\$30-\$60). Can they have first part of week we have 2nd part? Habitat stuff would fit well with the presentations at this conference. Todd P., not positive it is during spring break. Todd, Dave and Paul need to meet and talk over options. If CWU won't work will look at other locations. Registration fee is on issue, can't be associated with other conference if our people have to pay registration fee.
- BOR eggs, there are extra HxH eggs, but in development stage where transfer is problem. Fish are two weeks from emergence. Bill Fiander will check on availability of post shock fall Chinook eggs.
- Spawning channel pump. Need for an extra pump as backup in case need to get water to eggs in channel gravel at some time as need to work on some of hatchery raceways. Discussion of Diffuser Tower (handout). Steve Schroder description of possible fix – estimated at \$25-30k plus east of pump. WDFW screen shop folds said that Diffuser Tower not really cost effective or feasible. Pump would be portable. Estimate: \$40k for pump, plus \$35k for other gear = \$75k. Where would this money come from? Piping portion should come from M&E budget, pump from Cle Elum O&M as ordinary piece of capitol equipment. Need to get engineering firm to do a final design for this MWH or FishPro.

OPERATIONS:

CLE ELUM HATCHERY: Charles Strom

- All 2003 eggs split into treatment groups and transferred from iso-buckets to vertical incubators. Inventory of eggs on hand will follow for November's end of the month report. Only one female tested positive for BKD.
- 2002 brood end of month samples for October 836,151 on hand @36 fish/pound. Total 18 raceways (16 WxW, and 2 HxH). End of October Hi sampled at 31 fish/pound and Low growth group sampled @45 fish/pound.
- Marking and tagging operation started October 13, Five more raceways left to mark and tag.

- Concord Construction repaired main header drain valve at Jack Creek.
- Juvenile transfer truck broke down while in route to assist fish removal from Chandler Canal.
- Performed own flow test for Clark Flat Acclimation site with assistance from Ken from Triad on 10/21/03. Resulted in total pumping capacity with two pumps' running was 5,300 gpm's and average flow per raceway was 883 gpm's.
- Irrigation systems winterized at main complex and residential housing. Snow tires and equipment installed on all vehicles.
- Equipment maintenance at main hatchery and acclimation site included sending Sparling Flow meters back to manufacturer for repairs; Royce probe and analog meters sent back to manufacturer for repairs; solenoid valve replaced for airburst system valve #1; Easton transfer switch repairs ongoing (trouble communicating with Asco dealer); Incoming signal light hit by truck; snowmobiles were serviced to prepare them for winters use
- Mark Johnston and crew distributed carcasses from 03 spawning season in local streams and rivers.
- Met with Adrienne, Rachel C., Dan B., to prepare and submit 04 budget proposals
- River water drain pump #1 shut off as the result of weather need to trouble shooting to see if we can correct the problem.
- Set up 2" feeder lines at Easton and Jack Creek acclimation sites.
- Flu shots were given to all Fisheries personnel working at the Cle Elum Facility on 11/7/03.

PROSSER/MARION DRAIN: Bill Fiander

- October monthly update for Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima Coho. The objectives for October include fish culture, facility maintenance, and broodstock collection. Daily operation and maintenance continued at both production facilities –PH and MDH.
- **Fish Rearing/Prosser Hatchery**
 - Oct 2 Set up Pond 3 for fall Chinook broodstock.
 - Oct 3 Working on pipes and moved Upper Raceways
 - Oct 4 Started medicated feed for RW 13 – Willard Coho
 - Oct 6 Started holding coho broodstock in Lower RW 4
 - Oct 8 Coho from Sulfer Creek put in RW 2
 - Oct 8 Put in pipeline for formalin treatments to the ponds
 - Oct 9 Cleaned out pole building storage
 - Oct 14 Last day for medicated feed for RW 13 – Willard Coho
 - Oct 15 Started building and putting up shelves in pole building
 - Oct 15 Started building oven for heating carcasses that will be returned to river.
 - Oct 15 Built new table for Fish Health to work on
 - Oct 21 Took fish out of Chandler Canal (canal shut down)
 - Oct 23 First Spawn – 29 Coho and 28 Fall Chinook
 - Oct 27 Second Spawn – 29 Coho and 62 Fall Chinook
- **Marion Drain Hatchery**
 - Regular maintenance continues daily – cleaning screens, feeding, and general upkeep.
 - Oct 6 Fish wheel put in Marion Drain
 - Oct 7 Repaired water delivery pipes to Ponds
 - Oct 8 Checked out pump in Marion Drain (Davis Pumps)
 - Oct 14 Worked on main pipeline
 - Oct 18 First Fall Chinook caught in fish wheel
 - Oct 22 Spawned first two females
 - Oct 23 Piped incubation room and packed column
 - Oct 28 Moved chiller into incubation room
- **Administration**
 - Oct 2 Pre-spawning meeting for Fall Chinook and Coho Salmon
 - Oct 15 Policy Group Meeting at Nelson Springs
 - Oct 22 Meeting at 14 Tribes Room with BPA
 - Oct 28 Working on O&M budgets at Cle Elum
- Prosser/Marion Drain. Fall Chinook spawning completed. Chandler rescue on 10/21 went pretty well. About 197 females spawned. Over 100 taken back to river and released above Prosser Dam, Job Corps helped. Spawned 150 female coho. About 180 coho still on station. Spawning on Tuesdays generally. A lot of fish from Sulpher Creek. Approximately 324 steelhead kelts on station to be processed and released 12/9. Some coho (120k) from Eagle Creek National Fish Hatchery will supplement on station fish for 2004 release. Chiller shut off over weekend, eggs subjected to warmer water, problem now fixed. BOR canal shutdowns for water pump replacement (not best situation). Marion Drain fish wheel collected about 24 females (2-3 times better than prior years). Fish have been spawned plus eggs now on station at Marion Drain Hatchery. Fish wheel removed on 11/18.

Prosser Hatchery, October 2003 YNPCO 02, Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
10/31/03	RW 1	612.6	35,753	58.36	70	323	2.0 Skretting

Prosser Hatchery, October 2003 WCO-02 Coho

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
10/31/03	RW13	6186.2	118,281	19.12	300+	1920	2.0 Skretting
	RW14	2635.9	114,133	43.30	173	1202	2.0 Skretting
	RW15	2520.4	86,096	34.16	96	1096	2.0 Skretting

Prosser Hatchery, October, 2003 Steelhead

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
10/31/03	C2	132			14		Krill & Pellets
	C3	52			2		Krill & Pellets
	C4	140			11		Krill & Pellets

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	

HABITAT: Scott Nicolai

- Manastash Creek project proceeding. All parties concerned about 1 landowner who causes problems. Went to Holmes property to talk about possible “willing” sale. Will list property at beginning of year. 50 acres assessed value is \$154k. Water right is excellent. Has good side channel habitat. Connected to Yakima River. Scott says approximate sale price would be \$250k. Would make excellent coho facility. David Byrnes: What is status of coho master plan relative to NPCC process? Cover letter needed formally submitting MP to NPCC for three-step review and approval process. Once MP has been “blessed” by NPCC, then can start to move forward on capitol side. Does not address this two-month need. Need to exercise option for habitat purchase – elderly owners who need some assurance. Scott recommends pursuing NEPA Process as habitat purchase. David Byrnes, difficult to pursue this, not being permitted by NPCC to proceed on capitol acquisitions right now. Scott, Amends of BPA’s management team has told me to get these lands under option. Process is to: land audit, hazardous res. Survey, cultural survey, NEPA checklist, and title search. David Byrnes “problem is no money for capital purchases for a couple of years until process plays out”.
- Tour of Hanson Ponds: Scott will get Charlie a “primer” on Hanson Ponds project.
- Eaton Project, Irrigation pNots, SRF funding for project. Consolidate four diversions into 1.
- Wilson Creek – getting rid of lower two diversions.
- Ludwig, trying to get budget mod. Once done this will remove all diversions.

COHO: Todd Newsom & Melinda Davis

- Coho 71 radio tags out. 4 within 2 mile of Easton. Prosser 2200 coho counted. Doing redd surveys, 30 so far. Approximately 150 females spawned to date with 50 from Sulpher drain. 107 taken from Sulpher plus four steelhead. Sulpher represents 6% of Prosser count. P. Monk supporting barrier at mouth of Sulpher. Dave Fast not a cheap fix. Don’t support spending money to keep fish out of areas. Don’t want to set a precedent. What about adding spawning gravel? What about getting NOAA involved on ESA/take issue? BOR should have to consult with NOAA on operation of Sulpher Drain every year. A joint letter documenting Sulpher history to NOAA and BOR should be drafted.
- Isolette study. Working to increase egg fertilization plus sperm mortality. Carcasses were cooked at 80° for three hours to preserve then scatter planted in lower Yakima tribs. PIT tagging will start first week of February. Ahtanum Creek acclimation waiting on final assessments from BOR coho stocking late February/early March.

- Put out eight radio tags. Tracking six, two at Sundown M Ranch. Prosser count 4,400. Spawner surveys 1257 redds above Prosser, 11 redds below Wapatox in Naches. 86 redds in Marion Drain. Need to talk to Doug Neely regarding plans for 5,000 PIT tags.

KLICKITAT: Bill Sharp is out on A/L

- Bill Bosch gave update on status of Master Plan. Review draft ready by early December.

DATA: Bill Bosch

- Prosser spawning database work. Discussion about “umbrella report” That ties all YKFP Spring Chinook M&E work together in a summary report. Need to send out a reminder to MIPI to review this report and think about how qualitative/subjective info should be included. Todd will sent MIPI an e-mail.

CONSTRUCTION/MAINTENACE: David Byrnes

- Pump status: Professional evaluation, problems seem to be corrected and products are up to specs. Want engineering report to confirm. Contacted FishPro asked for bid on this (29k). This work would give “sense of resolution” on this long-term issue. Come out of design and construction budget. David Byrnes will work on this.
- Nelson Springs M&E building status. Council has package, BPA in process of drafting letter supporting building upgrade. Decision by NPCC in January at earliest. This is capitol budget item. BPA has understanding of need for new building. Need to communicate, need to new upper management folks.
- Interpretive Center – will be in discussion along with Nelson Springs. David B. view is that Council already spoke on this as to its priority. Given Council decision two-years ago not to proceed with Interpretive Building, doesn’t see Council changing perspective on this.
- Need to pick up lease of BN Access road on Clark Flat Facility. \$1,000 per year. Needs to be in O&M budget.
- Should be able to absorb this expense. Letter of Understanding with property owner. When prepare next Cle Elum O&M budget, need to include this expense. (hand-out)

BUDGET: David Byrnes

- Accrual accounting overview. Scott Hamilton and Terese Lamb. These are Financial Management team at BPA. David reports to John, John to Scott and Scott to Terese. Now working in a world defined by monthly expense billings.

NEPA: Patti Smith

- Will hear from Patty regarding Nelson springs NEPA check list.

NEXT MEETING: Tentatively for Wednesday, December 17, 2003 at Nelson Springs

MEETING ADJOURNED:

Handouts that were distributed at PGM:

- 1). 2004 Spring Chinook Forecast
- 2). Draft HGMP Section 16 for Yakima Basin Stocks
- 3). PG Decision 2002-2004 (2003-03) Development Plan
- 4). PG Decision 2003-02 Monitoring Wild Control in Naches system
- 5). Overview of sampling needs for Naches Spring Chinook
- 6). Steve Schroder description of piping modifications to support spawning channel.
- 7). CESRF monthly summary sheet of activities.
- 8). Letter of Understanding with property owner at Clark Flat.

MEMORANDUM
Policy Group Minutes January through March 2004

DATE: January 13, 2004
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting, December 17, 2003

The Yakima/Klickitat Policy Group met at the Nelson Springs Office on Wednesday, December 17, 2003. Those in attendance included: Melvin R. Sampson, John Easterbrooks, Todd Pearsons, Charles Strom, Todd Newsome, Bill Fiander, Melinda Davis, Pat Sprugin, Joel Hubble, Dr. Dave Fast, Bill Bosch, David Byrnes, and Mark Fritsch.

REVIEW AGENDA:

- Scott Nicloai not in attendance. He is wrapping up the Hanson Ponds project. (Looking for his cell phone).
- Coho Master Plan by David Byrnes

STAC: Dave Fast & Todd Pearson

- Internal PAR last week at Cle Elum. (One of the better ones we had)
- Discussed different operations and what we can do in future. This went well
- People that were not there would like copies of reports.
- Major DNA sampling of Spring Chinook for people that may have not been in attendance.
- Samples that Mark Johnston may have collected at Chandler. Fish migrating out.
- Did not have runs prior to March. Dave Lind maybe able to get these.
- Steelhead was another major discussion
- Better DNA on steelhead
- Mark Johnston has everything above Roza
- Screw trap discussed placing one up here near Nelson Springs
- Joel Hubble "trap is ready to go"; we could try this...this year. Travis H. could do the welding. This is for de-watering. We had problems last year.
- Get w/Screen shop and get design
- Use screw trap above spill – more protection.
- Will catch Spring Chinook and Coho
- Oak Flats (where the old house use to be).
- Work with staff on hand to man the trap.
- In by latter part of March.
- This will be important to get going this year.
- As per Todd P., this was allocated in Budget this year.

STAC: (Con't) Dave Fast & Todd Pearson

- External PAR
- Conflicts with the College
- Steve Schroder requested to have later than usual?
- Having later may interfere with out migration?
- Maybe July as Dave F. and Bill B. discussed, instead of early spring. This is something to thing about. Hold at CWU again (during summer break).
- David Byrnes, at the regular PAR there were some people who didn't like getting up at the PAR and discussing problems of projects and this is why the Internal PAR was organized. Todd P., and David B., will send out memo to see if people like the idea. (After big meeting at Central).
- Look at options and speak with Paul at Central in January.

DNA SAMPLING:

- Steelhead DNA sampling
- Work on current budget
- Working on Naches.

COHO MASTERPLAN: Joel Hubble & Todd

- Capture your thoughts on paper today; to address these in plan.
- Spoke w/ Patti Smith
- Mark Fritsch handed out 15 copies of hand-out "MAJOR PROJECT REVIEW"
- Step review and where it came from.
- Major project review
- Large complex habitat.
- Need to demonstrate
- Step 1, 2 & 3 all have science review (ISRP)
- Had a great Master Plan. Was user friendly.
- Bill Sharp will forward appendices to John E. for MP
- Klickitat should already be at step three.
- Acclimation sites at Castile still need to do.
- Post draft of website.
- Dave F. will speak Bob Rose and maybe have meeting with Richard Visser and John E. on how YKFP & Subbasin Planning ties together.
- Capitol BPA's creating rules on controlling capitol
- Capitol will not be possible next year.
- What we have is not ready to submit to Council. Mark F. indicated that he couldn't decipher what you're submitting?
- We want to distribute Coho out there and we are at/in a catch 22.
- How do we go about doing do?
- Mark F., "you have the funds that are there" but...make sure you submit it right. well though out. As it sits now. it's not right.
- Joel H., "how would you tap into funds to start hiring an Engineer"? David B., need to sit down and discuss what and who would do the work and what it will take to do the work. At that time you would know who and how much.
- Steelhead is the next Master Plan. Judith is almost done with Klickitat. Maybe we should form a TWIG.
- Will have Melinda Davis pulling elements to get Judith ready for Steelhead. Trying to have all Master Plans done by end of the contract date.
- Todd P., decision document we prioritized the Steelhead MP is it wise to move on the Fall Chinook MP?
- Joel Hubble is the lead on Steelhead.
- Melinda Davis is the lead on Fall Chinook
- Coho is Joel H. and Todd N.
- We slow Judith up while she waiting....she can start on one MP if she gets caught up on another.
- Joel H. had meeting in early January on Steelhead.
- Todd P., "can we realistically get all this going"?
- Mel S., lets proceed with this and should we get hung up due to other priorities, then so be it.
- Mark F., "is Judy just the writer? She had no biological background? Joel H., "we are her biological support.
- Will be reviewing Bill Sharp's document on Klickitat.
- As far as Coho is concerned WDFW is done with their portion. All that Joel H., needs to do is get the Engineering portion done with dollar amounts to get submitted to Council.
- Steelhead TWIG in early January, Judy is ready to go.

HGMP: Dave Fast

- e-mailed latest draft by end of month due on the 15th. So...if anyone has any comments.
- Section 1.16; tried to incorporate comments, there are other sections we have nothing to do with. Advantage is that the same people and same format do all these.
- Mark J., contacted USFWS, submitted invoices 2003 billed are being 2004 had to use 04 money to pay for last year work. "the contract did not have spending clause in contract.
- 2004 contract \$90,000 less. Tags and CWT money.
- David B., will let the contract close. Spending cap in contract.

OPERATIONS:

COHO: Todd Newsome

- Finish Coho redd surveys.
- No assessments or analysis done yet.
- Most fish were in the Naches. 40/120
- Rest was spread out.
- 9.5/10 miles above Wapatox
- Four fish above RM8
- CWT out of head on 12/18/03
- Sulpher Drain fish? 12 radio tagged fish, no releases at Mabton.
- Four redds at Easton.
- Radio tagged fish @ Satus Creek. Brandon Roger's crew
- Willard fish out of basin switching to Eagle Creek.
- Bill F., said the Willard fish will only be Mitchell Act fish.
- Take eggs back to Hatchery can't take to Eagle Creek.
- Eagle Creek had no disease at all compared to Willard.
- Later stock of fish next year.
 - o Go to Christmas Coho and not Halloween Coho. No temperature difference.
- Dave Fast and John E. will do a joint letter to NOAA re: steelhead

FALL CHINOOK: Melinda Davis

- Finished survey
- Come up with study design
- This spring to implement
- Jim Dunnigan put in place; Joel H., some kind of game plan that is in place; Melinda may want to follow.
- Coho out of stiles, use stiles pond after Coho move out then place Fall Chinook in.
- Also discussed floating ponds.
- April 1st is when they water up. This was for Coho, but it would work for Fall Chinook.
- Roza Raceway #3 was a pain.
- Joel H., said that Melinda D., done an excellent job on redd counts up above. There has not been a survey to this extent.
- Meet in January to talk about the Master Plan.

KLICKITAT: Bill Sharp

- crew is doing Fall Chinook surveys.
- Heavy rain on glacier killed adult fish on the Big Muddy; visual is really bad.
- Corp samples – sediment sampling for egg/fry survival rate
- Bill B., is this a 500-year event? Is there any studies out there going on? Any University Studying on global warming?.
- John E., are there any other species being effected? Bill S., indicated mainly Fall Chinook.
- October 19 is when this event happened.
- Heavy tow on the glaciers, which dumped heavy sediment into the Bid Muddy.
- Klickitat Hatchery Personnel said it looked like liquid cement.
- Had to dig the trap out, live trap was full of sediment.
- Hatchery Transition is moving forward.
- Conference call with Bill Tweit.
- Over arching MOU
- Draft MP to John E.
- Subbasin Plan meeting at Nelson Springs this AM to review EDT model and go over rankings.
- Model run by end of January. Before we run the model meet with Don again.
- No reports ran for EDT yet.

HABITAT: Bill Sharp: Will Conley's Project

- Will C., contributed to MP
- Two habitat projects completed this year will ask for more SRFB money for next year.
- 2496 meeting at Lyle on 12/18/03 collaborate with the locals.
- Next report due January 15th. Preliminary design work has been delayed.

DATA: Bill Bosch

- Steelhead Kelt release Monday & Tuesday these fish are all out.
- Several were radio tagged
- YKFP Fall Chinook M&E Report; meeting at end of January
- Questions coming around regarding Cle Elum. Hardware sampling gear. Tech assistance service done an Evaluation last year \$62,000 on up grade; including software. This includes acclimation sites. Don't think were at a critical point right now but...sometime get that placed in budget for future.
- When they become obsolete, they become harder to repair or fix.
- If the contractor can keep us running instead of upgrading every two-years.
- David B., if we can anticipate these upgrades, this is what we would like on a plan basis, instead of an emergency basis. What is an appropriate plan base for these?
- Bill B., contractor will be over on the 29th at Cle Elum we can ask them at that time.
- How is the data being archived?
- Can place data on CD once a month; this would be better to back up then losing a whole year of data.

CLE ELUM HATCHERY: Charles Strom

- 2003 egg inventory transferred to vertical incubators = 857, 116 (759,745 wild + 87,966 hatchery). Combined egg loss for two groups was 6.3%.
- Don Larsen used 30 eggs from each wild female in preparation for precocial study to be started in March of 2003.
- Marking and tagging operation was completed on December 4. Quality control started on December 16, 2003.
- Clean up of incubation building near complete. Clean up includes scrubbing buckets and deep troughs.
- Golf cart had yearly service inspection.
- Simplex made a service call to repair pull station in incubation building.
- Triad found that wiring and probe installation to both diesel tanks at the main hatchery were installed incorrectly. Has spent 32 hours @ \$65/hour trouble shooting and making repairs to system.
- Crew is busy setting up ponds at acclimation sites for January fish transfer.
- ABC Fire Control tested all fire extinguishers at residents and main hatchery.
- Hired three seasonal employees for acclimation sites.
- TSI software engineer repaired drain water pump #1 in River Water Cooling Facility. TSI field technician repaired nine Royce Probe D.O. temperature and analyzer recorders for raceways at Cle Elum Facility.
- Main 2" feeder lines for feed delivery system installed at all acclimation sites.
- Signal light repaired by Seattle Electric. MRM Construction paid for repairs.
- DJ Brownlee and Charlie attended Northwest Fish Culture Conference in Portland. Charlie also attended BPA contractor workshop in Portland.
- Sporling flow meters estimated cost for repairs \$1,276.00
- TSI Data communications.

PROSSER: Bill Fiander

- November monthly update for Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima coho. The objectives for November include fish culture, facility maintenance, broodstock collection, and spawning and incubation. Daily operation and maintenance continued at bother production facilities – PH and MDH.

Prosser Hatchery:

- November 4, Big spawn day – 96 Yakima River Fall Chinook females 35 Prosser Coho and 2 Roza Coho.
- November 7, Rolling up seines and storing them.
- November 8, Vacuuming raceways
- November 10, Spawning Day
- November 12, LCRFHC monthly inspection
- November 13, Spawned and then delivered ovarian fluid to LCRFHC. Working on shelves in the pole building.
- November 15 Cleaning up between raceways and around Hatchery grounds.
- November 16, Fixing bird netting over all the raceways.
- November 17, Chiller not working, Rain Country here to repair it, Setting up raceways, Working on formalin line in the incubation room and DOE checking out water quality and facility.
- November 18, Spawning day. LCRFHC sampled the fish, Tour – 20 students from Riverview School, DOE observing spawning methods.
- November 19, YN brought first delivery of Eagle Creek Coho.
- November 20, Muffett delivered pip for pipeline from pump to the hatchery, set up pipeline. BOR digging trench and burying pipe under roadway, building table for egg sorter.

- November 21, Chandler Canal shut down. Brought down our other 6" pump, YN brought second load of Eagle Creek Coho.
- November 26, Vacuumed raceways.

Marion Drain Hatchery:

- Regular maintenance continues daily – cleaning screens, feeding, and general upkeep.
- November 18, fish wheel removed from the drain.

Administrative

- November 17, conference call on Hagerman fish culture course.
- November 19, PGM at Cle Elum
- November 20, Installing adult collection trap at Cowiche Dam.

Prosser Hatchery, November 2003 YNPCO 02, Coho YAKIMA

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
11/30/03	RW1	#DIV/0!	35,702		51	138	2.0 Skretting

Prosser Hatchery, November 2003 WCO-02 Coho WILLARD

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
11/30/03	RW13	#DIV/0!	118,183		98	461	2.0 Skretting
	RW14	#DIV/0!	113,966		167	536	2.0 Skretting
	RW15	#DIV/0!	86,009		87	331	2.0 Skretting

Prosser Hatchery, November 2003 EC CO-j02 Coho EAGLE CREEK

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
11/30/03	RW10	2034.5	44,963	22.10	58	81	2.0 Skretting
	RW11	4249.8	77,983	18.35	69	81	2.0 Skretting

Prosser Hatchery, November, 2003 Steelhead

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	lbs	Food fed Brand & Size
11/30/03	C2	129			3		Krill & Pellets
	C3	51			1		Krill & Pellets
	C4	133			7		Krill & Pellets

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	48.0

CONSTURCTION/MAINTENANCE: David Byrnes

- Fish Pro \$14,500 Statement of Work on Capitol/Design & construction for Clark Flats (direct vendor).
- Will do site visit
- Doing contract protocol on flow evaluation for Clark Flat and Easton.
- Will get in and out before January 5th.
- Nelson Springs, supporting replacement facilities here
- Carry designs forward

- O&M for Roza Trap carry as line item that BPA has with BOR. Moving this out of BOR and into YKFP. Since Mark J., and his crew maintain \$4-5 thousand of Roza Cost line item/O&M cost.
- Tribe can pick up contract on Roza maintenance.
- How much of Council concerns will there be?
- Mark F., make part of PSR to let make people aware of what's going on.
- Letter signed by the three entities.
- Mel S., we have an agreement set in place with no dollars amounts attached. Will look into the agreements on hand.

MEETING ADJOURNED:

NEXT MEETING: Wednesday, January 14, 2004 at Nelson Springs 9:00 AM

MEMORANDUM

DATE: January 20, 2004
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at the Nelson Springs Office on January 14, 2004. In attendance were Melvin Sampson, Bill Fiander, Dr. Dave Fast, Todd Newsome, Joel Hubble, John Easterbrooks, Charles Strom, Pat Spurgin, Bill Sharp, Todd Pearsons and David Byrnes.

AGENDA REVIEW:

- Any additions to agenda? (No comments)
- Format for draft minutes, census for feedback will be two-weeks for comments & changes

STAC: Dave Fast & Todd Pearsons

- PAR moving from March to June 2004
- Mark J. is running smolt trap during March.
- Have not talked w/Paul at CWU to schedule yet. If we cant' get it there will move some where else.
- Todd P., reports done before the PAR & able to present.
- Confirmation? Will start trying to call Paul. 15th tentative after school is out.
- How can we go on Annual Schedule with BPA?
- BPA spreads these out and we want to know what is the potential of switching BPA's schedule?
- Have not had a budget approved on October 1, so, this may not be a good idea.
- Calendar year does not benefit us.
- BPA is fiscal year for operational.
- Project Review Monitoring in January.
- Incubation chamber is working good (Steve Schroeder)
- 99% survival rate
- Two manuscripts coming out this year. 1) Bird Predation 2). Small Mouth Bass
- We would like to get a manuscript out on predators (pike minnow, small mouth bass etc.)

OPERATIONS:

Cle Elum Supplementation & Research Facility: Charles Strom

- 2003 egg inventory transferred to vertical incubators = 857,116 (759,745 wild + 97,966 hatchery). Combined egg loss for two groups was 6.3%.
- 2002 brood fish on hand at end of December 31, 2003 was 842,806. Average weight for Hi=29 fish/lb. And Lo = 42 fish/lb.
- Ray Brunson sampled fish for pre-transfer for 02 brood.
- Triad repaired fuel heat delivery system in both diesel storage tanks.
- Snow removed at Jack Creek and Easton acclimation site.
- Travel trailers at acclimation sites serviced by RV tech.
- Clark Flat pumps running and waiting for fish transfer.
- Clark Flat frequency to air burst adjusted and transfers contacts replaced by Triad.
- Cold temperature on 1/4/04 caused ice on intake screens at Cle Elum. All but one river pump shut down and wells 1,4,5, and 6 were turned on to supplement the river pump water.
- Freezing conditions caused breaks to residents #901 and #411, and in the ice machine in the cool room to water line. Repaired cracked pipes.
- Jack Creek generators started on 1/4/04. Easton scheduled to have pumps turned on during week of January 12. Fish transfer will start with Clark Flat then with Easton and during first week of February Jack Creek fish will be transferred in.
- John Deere 5500 serviced by Barnett Implement.
- Truck returned to Cle Elum on January 13, 2004.
- Pump status moved to June. Spoke with Ed Donahue and Byrnes. Fish Pro contracted.

PROSSER: Bill Fiander

- Dec 1, USFWS crew started tagging RW15
Put covers over settling pond stands.
Rain Country working on chiller.
Working on pipeline for emergency pumps
Shocked Coho and fall Chinook eggs.
- Dec 2 BOR dropped Chandler Canal.
Picking dead eggs.
- Dec 3 Shocked 2nd lot of fall Chinook eggs.
Service job on emergency pumps.
- Dec 5 Setting steelhead area up for release.
Patching hole in RW5
Picking and jensorting eggs.
- Dec 6 Trayed Coho eggs
- Dec 8 Released reconditioned steelhead kelts (301 total).
- Dec 9 Spawned 6 female Coho.
Started trying fall Chinook eggs.
- Dec 10 Shocked 3rd lot of fall Chinook eggs.
- Dec 11 Shocked Coho lots 4&5.
USFWS tagging crew finished.
- Dec 12 Tagged Roza steelhead and released them at Mabton.
- Dec 16 Service job on emergency pumps.
- Dec 18 Made new dry eraser board for steelhead room.
- Dec 23 Started-changing temperature of fall Chinook to change them to accelerated program.
Cleaning up hatchery grounds.

Marion Drain Hatchery:

Regular maintenance continues daily – cleaning screens, feeding, and general upkeep. Shocked and trayed Marion Drain fall Chinook eggs. YKFP maintenance crew worked at Prosser Hatchery, Marion Drain Hatchery, Wahkiakus (Klickitat Field Office), Castile Falls; the Coho, fall Chinook, spring Chinook M&E programs; and the Klickitat field crew.

Administrative:

- Dec 8 YN Fisheries staff meeting.
- Dec 9 Steelhead kelt reconditioning meeting at Prosser Hatchery.
- Dec 10 Internal PAR at Cle Elum Hatchery.
- Dec 11 Internal PAR at Cle Elum Hatchery.
- Dec 12 Budget meeting with DOE at Prosser Hatchery.
Policy Group Meeting at Nelson Springs

Prosser Hatchery, December 2003 YNPCO 02, Coho YAKIMA

Day	Fish on Hand				Mortality		Food fed Brand & Size
	Pond #	lbs	No.	Size	No.	Lbs	
12/31/03	RW1	883.0	35,681	40.41	21	186	2.5 Skretting

Prosser Hatchery, December 2003 WCO-02 Coho WILLARD & EAGLE CREEK

Day	Fish on Hand				Mortality		Food fed Brand & Size
	Pond #	lbs	No.	Size	No.	Lbs	
12/31/03	RW2	2742.9	84,974	30.98	42	392	2.5 Skretting
	RW3	2167.2	84,909	39.18	127	366	2.5 Skretting
	RW4	3433.8	84,883	24.72	161	424	2.5 Skretting
	RW6	1863.7	78,368	42.05	171	442	2.5 Skreeting
	RW7	776.2	31,761	40.92	239	164	2.5 Skreeting.
		10983.7				1789	

Pond Temperatures:

WATER SOURCE	YAKIMA
Maximum	
Minimum	
Average	48.0

HABITAT: Scott Nicloai

No Report Given

COHO: Todd Newsome

- Analysis on radio tagging (Coho)
- 2002 27% 50 fish tagged below Sunnyside Dam.
- 2003 29% Naches
- Did not release at Mabton, released at Granger.
- CWT Sulphur Drain, 107 fish almost all had CWT's (hatchery fish). Cut the heads and froze. When thawed out the paper tags dissolved and could not detect information from CWT's?
- Lost, Holmes and Easton in the Drain.
- Isolets analysis not all done yet. Saline helped all the fish but, not over all.
- First spawn is always bad.
- Broodstock next year in late October
- Can we investigate the soft shell?
- Todd will read up on this.
- Dave Fast recommended that Joel speak with Spero.
- What is the survival at Willard? 70-80% survival.
- You got to get these fish at the right time.
- Halloween, Christmas and New Years fish, We will take in late Christmas fish. Next year will get New Years fish 100,000.
- Smolts from Willard at Boon Pond.
- All fish in Stiles and Holmes. Stiles is in the Master Plan and used as an acclimation site.

FALL CHINOOK: Melinda Davis

- Meeting on February 4, 2004 at 9:00 at Nelson Springs. Will send an Agenda out on week before the meeting.
- Paul Rivera will be in attendance.

STEELHEAD KELTS: Todd Newsome

- Tagged 17 released at Mabton
- Tagged 29 of U of I and released at Wahlula. Six back in Yakima, 3-4 fish at Toppenish Creek
- Roza kelts at mouth of Sulphur Drain
- Two dropped pas Mabton.
- 29 released in Columbia
- One fish in Satus two days after release past Plank Road
- 17 lbs of fish lost on 1/13/03
- Dave Fast suggest that a letter be written to Robert Lohn at NOAA.

KLICKITAT: Bill Sharp

- M&E crews are doing Coho surveys. (not seeing to many).
- Redds are covered by sediment.
- Water is cleared up but.....sediment is still visible.
- M&E reports and data entry.
- TFW Habitat Data base finalized.
- North Bonneville meeting
- Subbasin Plan Klickitat County is funded \$61,000 for outreach.
- Chris Frederickson is working on EDT model, getting help from Joel Hubble.
- 70% done on off reservation stuff.
- January 15th meeting at Lyle Falls on Bull Trout. "Re-habilitate falls for catching Bull Trout. (April – Dec) for catching.
- October 1st 2004 Yakama Nation anticipates transfer of all Mitchell Act Facilities (Castile Falls Fishway, Lyle Falls Fishway and Klickitat Hatchery) to Yakama Nation operations under the YKFP.

HABITAT: Bill Sharp for Will Conley

- Will Conley writing reports.
- Went through SRFB ranking process. Klickitat ranked pretty good.
- 20th meeting w/ Will, David and myself.
- Master Plan has been submitted to John Easterbrooks (last meeting).
- John E., said he received electronic copy from Paul Huffman (zip file)
- John E., will act as focal point for review and comments. Will shoot for June 1st with all agencies comments. (electronically)
- Will be going through Mark Fritsch's Master Plan and see what has been addressed and not addressed.

DATA: Bill Bosch

No Report Given – not in attendance

CONSTRUCTION/MAINTENANCE: David Byrnes

- Charles Strom e-mailed David. Klickitat fish out first and do in June or end of May. David contacted Fish Pro.
- The initial pump test, new flow meters at Clark Flat
- Nelson Springs can proceed with recommended proposal.
- Comply with Mark Fritsch and get supporting letter and complete process.
- Any edits or comments will be directed to David Byrnes.
- NEPA Checklist?
- Need to follow up on checklist
- 2004 request before council
- CH2M Hill to do well field monitoring at Cle Elum – contract pending and dependent on Council recommendations of FY2004 within-year for use of capitol budget.. Ask for \$435,000 for duration to 2006. Don't know if they will get to in January or February.
- May do on the Capitol Budget side
- The Interpretive Center is not mentioned? Melvin will look into and make sure the numbers match up and what we submit has the Interpretive Center included.
- David B., did not include the Interpretive Center just to keep separate from the Nelson Springs Project.
- There were two different dates 14th and 20th. David will correct in the document.
- Will keep everyone posted.

BUDGETS: David Byrnes

- 2004 budget January and February the council will figure out what will need extra funds and which don't get extra funds.
- Contract Implementation?
- CBFWA meeting on January 14th and 15th in Spokane deal with requests, Expense budgets is what the CBFWA will be struggling with.
- Capitol is completely separate from expenses.
- February meeting is when we should know.

CONTRACTS: David Byrnes

- Everyone is working on getting contracts in.
- First pass on the budget, if you need assistance with the template. David can send electronic version on how BPA would like submitted.
- David encourages everyone to work with him to make sure all packages to be submitted have everything. Statement of Work, Budget and Work Schedule etc. AOP same as the Statement of Work.
- Prepare and submit spending plan to get monthly burn rate.
- Everyone is going to be living with an adjustment year. If we need to get a workshop set-up, we can do this getting it right the first time is very important.
- Deadline for submitting a re-schedule before October 1. (no date set. But...it's good to know ASAP).
- O&M for Roza? We need to work on this.
- February 4, 2004 maybe a little to late and may conflict with Fall Chinook Meeting.
- Tribe has agreement with BOR. David Murillo is the contract person.

NEPA: Patti Smith

Not in attendance. Patti is working on Checklist for the Nelson Springs Project as well as others.

David Byrnes would to schedule the next two Policy Group Meetings (February and March). He would like to bring new staff members to the March PGM and have it at the Cle Elum Facility.

**NEXT MEETINGS: February 11th 2004 at Nelson Springs &
March 10th , 2004 at Cle Elum Hatchery**

Meeting adjourned

MEMORANDUM

DATE: February 11, 2004
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at the Nelson Springs Office on February 11, 2004. In attendance were Melvin Sampson, Bill Fiander, Dr. Dave Fast, John Easterbrooks, Charles Strom, Pat Spurgin, Bill Sharp, Scott Nicolai, David Byrnes and Vern Bogar.

AGENDA REVIEW:

David Byrnes would like to add some items to the agenda: 1). Nelson Springs NEPA Checklist. 2). Contract Review Outline Invoices. 3). Review Cle Elum Insurance Policy 4). Roza Trap Agreement w/BOR and 5). The Letter.

STAC: Dr. Dave Fast (Todd Pearson out of the Country South America)

- *PAR 2004* will have in mid-June. Will wait for Todd to return and discuss dates and location. Still looking into Central.
- No BOR or Central people are involved.
- *Species Master Plan:* Coho is going full force right now.
- Steelhead is definitely next.
- Spring Chinook will need to be fit in here.
- Fall Chinook meeting was last week. It was a good meeting and Melinda Davis done an excellent job. Will be sharing information with the State (John Easterbrooks).
- Hanford has done some work on Fall Chinook in Lower Yakima.
- Feel good about the database we will have for Fall Chinook.
- Summary document will be updated.
- Will look at some of the tables that Bill Bosch has put together for the Spring Chinook.
- Judith was concerned/surprised to see some of the items that Mark Fritch needed included in the Coho Master Plan. Some of this stuff she had not seen before? Endangered Species? These are comments that needed to be addressed as per Mark F.
- Discussed HGMP's and the process or lack of. Dave asked John E. if he could get involved as far writing a letter to B. Foster instead of just Dave asking questions. This way we can both be sending letters as co-managers and find out what is the process of the HGMP's? Will also ask Pat Spurgin to get involved.
- NOAA is the agency that approves the HGMP's.
- Where does NEPA fall in this Process?
- Anything that falls on Federal Land a NEPA has to be done. EIS is the step that follows the NEPA process.
- NOAA website is where you can find the HGMP process.
- The process will be done by stock and not by species.
- *Subbasin Plan Status:* Yakima Subbasin: This process is zooming along. There was a meeting that was being held in Leavenworth (the hear of it). The meeting will be for three days.
- It was discussed to have the Subbasin Plan as a regular agenda item for the Policy Group meetings. Bob Rose if rep for the Tribe and Richard Visser is the rep for the State.
- *Klickitat Subbasin:* in being lead by the Yakama Nation in collaboration with WDFW to develop the assessment phase of the subbasin plan. Klickitat County (KC) has been contracted for participation and community outreach. Recently the assessment phase has focused on updating the EDT model. It is anticipated that model runs will be held in early March. A two day EDT workshop with WDFW, KC and YN was held at Nelson Springs in mid-January. At that meeting WDFW and YN evaluated rankings and shared information. YN subbasin planners still wait on a public information requested from KC needed for the model.
- *Yakima River Dam Passage Status:* Reintroduction of sockeye.
- Change outlets at Cle Elum and Bumping.
- Use Coho smolts to test these.
- Sockeye maybe hard to use in this process.
- Sockeye smolts up above and see if they do the same as the Coho when migrating out.
- Go to Congress and ask for larger modification.
- Store anadromous fish above.
- Black Rock? Will use the winter run off from the Columbia River to fill. As pointed out, they are not looking at the effect it will have on the Hanford Fall Chinook.

- Bill Bosch indicated that Mark Johnston identified some funds to do adult pit tagging detection at Prosser Dam. If anyone knows of any funding source we can ask to get this project going. July/August would be a great time to have this done.

OPERATIONS:

- *Cle Elum Supplementation & Research Facility: Charles Strom*
- 2003 egg inventory transferred to vertical incubators = 857,116 (749,745 wild + 87,966 hatchery). Temperature Units range from 1183 to 1397 TU's.
- 2002 brood fish on hand at CESRF end of January 2004 was 281,009 with an average weight for Hi=30 fish/lb. And Lo=42 fish/lb.
- Clark Flat transferred January 15-20 estimated fish on hand at month's end is 267,937 with Hi average weight = 29 f/lb and Lo = 43 f/lb.
- Easton juveniles transferred January 21-22 estimated fish on hand at month's end is 292,257 with Hi average weight = 30 f/lb and Lo = 42 f/lb.
- Easton had several power outages and generator power kicked on.
- TSI soft engineer, inspected facility computers at Cle Elum, Clark Flat and Easton.
- Alice Wahsise and Krystal Orloff inspected all CESRF GSA vehicles.
- Snowmobile repaired, suffered damage when CESRF performing well checks.
- Jack Creek water up and waiting to receive fish (tentatively on 2/12/04).
- All Seasons of Yakima provided service on CESRF HVAC system. Also sent a proposal for service to entire facility including residential housing.
- F350 power steering needed to be replaced.
- Patricia's desktop computer was on the blink for a couple of weeks.
- Simplex monitoring system giving trouble status alarms and technician is trouble-shooting system to correct problem.
- Sent out 04-budget proposal.
- Vernon's yearly employee evaluation was submitted.
- Jennifer Scott, WDFW Biologist, reports emergence for RSI study is complete. She will now begin clean up and shutdown of incubators.
- Hatchery Host. Did send out the information, will talk with Pat Spurgin more on this topic. David B. will set up a conference call on the Hatchery Host issue with Charlie, Pat and self.
- *Prosser: Bill Fiander*
- January monthly update for the Lower Yakima River Supplementation and Research Complex that includes Yakima Fall Chinook, Marion Drain Fall Chinook and Yakima Coho. The objectives for January include fish culture, facility maintenance, broodstock collection, and spawning and incubation. Daily operations and maintenance continued at both production facilities Prosser Hatchery and Marion Drain Hatchery
- *Fish Rearing Prosser Hatchery:*
- 01/12 Picking eggs.
- 01/14 Working on steelhead tanks and upper raceways.
 - o Repairing shelves in the pole building
- 01/15 DOE here to meet on water quality reports. Tim picked up eggs for the schools. Eggs delivered to Wapato School
- 01/17 Pumps shut down at 9:45
- 01/20 Fish health – monthly inspection. One of the Yakima Coho had gill disease so we need to keep a close eye on RW1.
- 01/21 Picking eggs – cleaning up around spawning area and freezer. Building broom and mort picker holders for raceways. Working on pipe in RW4. Vacuuming raceways.
- 01/22 Coho eggs from Washougal delivered.
- 01/25 Cleaned out the chemical room.
- 01/27 Moved the sturgeon, trout, and bass over to the smaller circular at the steelhead tanks. Took water samples.
- 01/28 LCRFHC here to check on fish.
- 01/29 Gravel deliveries to the hatchery grounds. Trayed the last of the Coho. Portable outhouse delivered. Chuck Carl working on walkways at the upper raceways.
- 01/30 Anchoring down the bird netting. Cleaning up the PVC shelves by the shop.
- *Marion Drain Hatchery:*
- Regular maintenance continues daily – cleaning screens, feeding, and general upkeep. Fed and cleaned Marion Drain Fall Chinook. YKFP maintenance crew worked at Prosser Hatchery, Marion Drain Hatchery, Wahkiakus (Klickitat Field Office), Castile Falls; the Coho, fall Chinook, spring Chinook M&E programs; and the Klickitat field crew.
- *Administrative:*
- 01/14 Policy Group Meeting at Nelson Springs
- 01/16 Bill F. worked w/Upper Yakima River O&M on budget
- 01/20 Visited Prosser Hatchery with Bookkeepers

- 01/21 Meeting on manpower needs for YKFP w/Mel, Bill S., Charlie S., Adrienne W.
- 01/22 Bill F. met w/Mel and Adrienne on insurance. Talked w/Scott Nicolai and Pat Spurgin on Holmes property.
- 01/23 Worked on within year mod with Shirley G. and worked on budget with Adrienne, Debbie and Shirley.
- 01/26 YN Fisheries staff meeting. Met w/Joe B and Shirley on budget.
- 01/28 Working on O&M needs w/Joe B., Charlie S. Steelhead kelt meeting at Toppenish

Prosser Hatchery, January 2004 *YNPCO 02*, Coho YAKIMA

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
01/31/04 Skretting	RW1		#DIV/0!	35,666			15 89 2.5

Prosser Hatchery, January 2004 *WCO-02* Coho WILLARD & EAGLE CREEK

Day	Fish on Hand				Mortality		
	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
01/31/04	RW2	6290.7	84,925	13.50		49 192	2.5 Skretting
	RW3	2129.7	84,764	39.80		145 174	2.5 Skretting
	RW4	2742.4	84,741	30.90		142 180	2.5 Skretting
	RW6	1728.4	78,124	45.20		244 187	2.5 Skreeting
	RW7	882.5	31,240	35.40		521 82	2.5 Skreeting.

Pond Temperatures:

WATER SOURCE		YAKIMA
Maximum		
Minimum		
Average	48.0	

- *Coho*: Todd Newsom (Todd not in attendance, tagging today at Prosser) sent these words w/Bill Fiander.
- Working on permit for Boone Pond.
- Supplementation Analysis for Boone Pond? Has Patty done this? Todd spoke with Nancy Weintraub on the issue.
- Need a set of all NEPA analysis to go to John Easterbrooks. David will speak with Patti Smith.
- David asked Billy (Todd Newsom) to make sure Patti is on board with all Projects, past and current. This way Patti will see what process has to be taken for each project.
- Easton and Boone Pond need County and State permits.
- John E. has the original EIS.
- *Habitat*: Scott Nicolai
- Yakima Side Channels, State DNR is in process of trying to do a land swap. Public Hearing will be on February 12, 2004.
- Hanson Ponds is at a stand still right now.
- Excavation work is done.
- Waiting for City to get done with drilling under the freeway.
- Property from Scatter Creek 23 acres will sell for development if we don't move on it.
- Charlie "I spoke with Marsha and she will again get the NW Service Academy out there again this year for rehabilitation/weed control.
- Carlen Ray from Ray's Irrigation.
- Meeting on February 12 with WDFW for Land Protection Project. Will put together a package.
- Hank Fraser is working on BA for Minastash and working with the city of Ellensburg.
- The Appraisal has been deferred till March for the Holmes Property. Is there any money for the Appraisal? (\$4,000.) David will speak with Mark F. on this matter.
- *Klickitat*: Bill Sharp
- January 27, 2004 presented to Fish Committee the Management M&E. Will ask Mike Babcock to attend the presentation.
- John will have comments by end of this week.
- Judy has been inputting changes to the Coho Master Plan.
- Klickitat Hatchery first week of March release of spring Chinook
- February 17th Mitchell Act money. Kerby Wallahee will be moving on site in the last house at the Klickitat Hatchery.
- Management Budget will get to David

- Transition still looking forward to it on October 1st.
- February 9th meeting w/Pat Spurgin regarding the property transition.
- We may have already lost a couple of months. This may be due to Bill Twiet's busy schedule.
- *Data:* Bill Bosch
- Nothing to report

CONSTRUCTION: David Byrnes

- *Pump Status:* Still monitoring
- *Invoice Checklist:* (added agenda item) Contract review and online invoice on computer.
- BPA will try and have the same two people from BPA working with the same people in Olympia for WDFW. These standards for level of reporting for accounting purposes.
- Hand out was given to everyone in PGM.
- Every single invoice will have this form attached.
- Each COTR will be responsible for making sure everything is there.
- *Million Dollar Insurance Policy:* (added agenda item)
- Are we still carrying this policy?
- As per Melvin, "yes" we have been maintaining.
- David has not seen the Insurance cost in any lime item in the budgets and they made him wonder if we were still carrying?
- Do we still need or do we need to make any changes to Policy or does it need updating?
- Charlie will check into this.
- *Roza O&M:* (added agenda item)
- Mark Johnston manages this facility. He is the one that calls for repairs if needed.
- Transfer funds to O&M budget and charge BOR for reimbursement of their ½ of the O&M?
- It was discussed at the BOR meeting held on 2/9/04 with Melvin, Mark J., Bill Fiander and BOR and decided that things will remain the same as they were in the past.
- David's concern is that the trap is a vital part of the O&M.
- Melvin will do a follow up with BOR.
- Every 5th year do a clamshell clean out. Maybe establish as line item on one of these contracts.
- The back-up generator is a factor in my concerns.
- If the contract does come to the Tribe and we need to hire a Contractor, is there money to pay for this?
- Phase II Screen Contract O&M will be better for forecasting and managing the fish trap at Roza. One way or another this should be taken off the Phase II Screen OUM and make it an YKFP M&E or O&M Project. (should be under the O&M).
- Should anything go wrong, we will be able to forecast maintenance/updates to the fish trap.
- Will all be on top of monitoring invoices for the project.
- BOR will have to give a dollar figure.
- BOR will be doing some dredging this year. They will also be digging out the mud bar for adult migration.
- *The Letter:* (added agenda item)
- Nelson Springs Replacement Building – BPA comment letter.
- John Easterbrooks would like the last sentence of the letter taken out. (to defer for another year).
- Dave Fast though this letter was going to be a one letter for only the M&E building?
- The reason for including Tillman creek activities was because if I talk about Nelson Springs activities I will need to add Tillman Creek. Just to let them know that we were doing both activities in 2004 and not bring up one activity at a later time.
- Dave F., would like these two separate issues. So, one does not get shot down because of the other.

BUDGET: David Byrnes

- 2004-2005 contracts being processed.
- Meeting next week with new CO Ms. Chris Vachter.
- Chris has been on staff and was trained by Tina.
- Melvin asked questions to David "what about our dream facility"? i.e. the Interpretive building). At this time it is considered low priority or maybe even shot down. David will speak with Mark Fritch only because he is the person that needs to be asked. The status of the building has already been approved back when the hatchery was constructed. But, was deferred due to funding. Council approved this.
- We need to keep on top of this to make sure it has not been forgotten about.

MEETING ADJOURNED:

Next meeting was set back in January's PGM for March 10, 2004 at the M&E Bldg at the Cle Elum Hatchery Facilities

MEMORANDUM

DATE: March 23, 2004
TO: Melvin R. Sampson
FROM: Carol S. Speedis
SUBJECT: YKFP Policy Group Meeting

The Yakima/Klickitat Policy Group met at the M&E Building at the Cle Elum Hatchery on March 10, 2004. In attendance were Melvin Sampson, Dr. Dave Fast, John Easterbrooks, Charles Strom, Pat Spurgin, Bill Sharp, Joel Hubble, Bill Bosch, Scott Nicolai, David Byrnes, and Patti Smith

AGENDA REVIEW:

David Byrnes at 11:00 coordinates conference call with Lydia Grimm. Topic MOU's specifically the one with Management of Land.

Bill Bosch has a conference call at 11:00 and will leave the meeting for about one hour.

STAC: Dr. David Fast

PAR

- Paul James at Central said that mid-June is good with CWU, school will be out. Paul is looking to speak with the dean.
- Group is leaning to have PAR at CWU.
- Will keep updated.
- Dated summary document "Executive Data Document", meeting last week, task under YKFP, everything under one document.
- NOAA/WDFW & YN all information together. Summary of data for all these entities.
- State will get stuff to Bill Bosch for this April or maybe June.
- Will be available maybe around August. Will be posted on Web.
- Purpose of document will be able to be updated. Look at past date to compare to new data.
- Links to each project, how it was done, stats.
- Can we link photos?
- Try and keep this as brief as possible; already have an interest in people wanting to see data.
- EDT was an after thought of this process, maybe just a link? Also, maybe link to the Subbasin Plan.
- Will need help from this group on a scientific task.
- Make sure people keep up on this.

SUBBASIN:

- YKFP projects? Had not been a lot of work or input in this process.
- Joel Hubble said that Lee Carlson has been on this and there is information on the website.
- Supplementation Program.
- Tribal program folks have to input for all their projects.
- WDFW has been putting their projects in.
- Met w/Julie Morgan last week.
- NPCC Subbasin Bill Sharp & Jeff Spencer had been working on this. Looking at assessment.
- Joel Hubble e-mailed some information to Lee Carlson for M&E Contract.
- Dave Fast suggests we get with Lee Carlson and do this as a group.
- Wednesday, March 24th meeting w/Joel, John E. and Todd P. incorporate goals, objectives and strategies.
- Joel Hubble will check with the county to finalize location.

LAMPREY:

- One day workshop at Vancouver WA
- First Step toward lamprey
- Good turnout, around 100 people
- This is under NOAA

- 2-6 years in fresh water and then migrate to ocean for 1-2 years
- Group concerned with it's environment
- Great Lake Institute has done a lot of work and study of Lamprey.
- David Close, Umatilla Tribe took out of Three-mile Dam held and took to watershed to spawn. Later they electro shocked.
- Tracked age class of adults.
- Warm Springs doing on the Dischutttes River.
- How can we change adult ladders?
- Right angle?
- Losing 50% of Lamprey that are trying to migrate, just can't make it over the dam.
- May have broken down where the problem areas are.
- Showed video how they can make improvements.
- This was a very informative meeting on how to help Lamprey.
- Relatively inexpensive to make the dams Lamprey friendly.
- Will continue to do research.
- Proceedings from the meeting will be posted on website.

HGMP:

- Dave is working with Bob Foster, waiting for a call back from Bob.
- How much of the HGMP get filled out?
- Look at Mobrاند site and use this to fill out the HGMP and use this as template.
- HGMP is a NOAA process. This is for each species. That includes kelt reconditioning.

OPERATIONS:

CLE ELUM HATCHERY: Charles Strom

- 2003 egg inventory transferred to vertical incubators = 857,116 (759,745 wild + 87,966 hatchery). Temperature Units are on average 1370 TU's.
- Transferred 2500 fry for Larsen's early group to troughs on 3/1/04.
- Jack Creek juveniles transferred February 18, 19 and 24 estimated fish on hand at month's end is 280,153.
- Juvenile transfer delayed due to engine problems. Other vehicles related problems include electrical problems with F-250. Truck taken into Ford dealership for repairs.
- Operating on minimal water flow. One river pump, one drain pump (for spawning channel, and one well for incubation purposes.
- Three rivers pumps not in use had oil and fluids changed.
- Acclimation sites are all on underwater feeders after repairs to frozen and cracked lines. Juveniles are now fed at optimal levels.
- Fish release sampling (USFWS, NOAA, AND WDFW) at acclimation sites conducted on 3/9-11.
- Day Wireless repaired communication problems from acclimation sites to facility computers.
- TSI repaired PLC at the Clark Flat site.
- Jennifer Scott reports that fry emergence is slow only 10 fry/day. Second trap installed on 3/8/04. She also cleaned RSI troughs up for next years use.
- Safety meeting held on February 24 DJ Brownlee elected safety officer.
- Ponds set up for April ponding. Crew busy repairing hoops and refurbishing mort pickers and pond brushes.
- Barney Tulee back on line and cleared to provide us with screening opportunities at Federal Surplus.

Fish on Hand at end of February.

Site	No. Of Fish	Fish/pound
Clark Flat	267,052	35(hi=28.5; lo=41.8)
Easton	291,423	35(hi=30; lo=41.3)
Jack Creek	280,153	36(hi=29.4; lo=43.2)
Total/Average	838,628	35.5

DATA: Bill Bosch

- Ponding Assignment: hxxh ponds in 16 in Clark Flats. Random generation of ponding.
- Nothing magic about assignment list, just something we came up with.
- Hand-outs 1) Tentative Brood Assignments BY2003 2). Letter to Therese Lambe re: ISO Adult Pit Interrogation System Installations (BPA proposal #200100300).

- Paint on ponds; will fade in time. Have to be careful when pressure washing, because the paint will chip.
- OCT & SNT there was no difference with the camouflaged ponds.
- Trees are o.k. in early stages; but you can't clean trees.
- Keep hoolahoop in the ponds.
- PROSSER ADULT PIT INSTALLATION
- All three at Prosser Dam.
- Pacific States funding proposal may have not been funded or de-funded by BPA?
- Looking for some way of getting this back on track.
- David Byrnes said he was not involved; didn't know of this issue. There were a number of things that did not get recommended for funding.
- Leave up to group to do a draft of discussion to submit letter. David will take back to show John Rowan and get feedback..
- The understanding was this goes back 2-3 years. Proposal was dated back in 2001.
- This may have been treated as a renewal?
- Get something a little firmer from BOR? Maybe a letter from Murillo in regards to cost share.
- David will take draft letter and do some investing on what went on with the funding, before a formal letter is submitted.
- 11:00 a.m. Conference Call (Added Agenda Item)
- Lydia Grimm called.
- Information sharing for us in the group is the reason for getting with Lydia.
- How can we handle the unexpected?
- Melvin indicated that a MOU between YN and BPA has been in BPA's court for a few years? Having this subject come up is like opening up a big can of worms?.
- Enhancements towards the programs?
- Role and function on MOU's and MOA's.
- Primarily to Land Acquisitions.
- Klickitat as an example on property payment cost? Titled held by tribe; MOU can do to inform us towards future action for property tax reimbursement?
- *"History" into dialogue with BPA generated MOU between BPA & YN, YKFP Activities; on a level of understanding between YN & BPA as far as we know it's in BPA's hands. If we had this in place it may have been a lot easier. Seven ownership by Tribe, being billed taxes, one owned by BPA.*
- Scott Nicolai had transferred tax burden is \$6,000 (a realistic figure). Try to eliminate the tax burden.
- Foster property, tax burden is -0-.
- Make application for open space property planner goes out to rate land for reduction in property. All of our property is going to rate a ten.
- Which will bring the tax burden to zero. Due to all lands being in the flood zone. Wet lands etc.
- These are open undeveloped land.
- Still will be O&M cost for weed control.
- Who pays for property taxes? David said these are Land Management Functions. Property tax issue, could. Could be O&M legitimate cost. Line item for property taxes for future budgets.
- MOU's help establish roles and responsibilities.
- MOA's are better suited for umbrella situations on how funding will be done. The goals of the project.
- Lydia Grimm only talked of property taxes that only pertained to the YN Wildlife Department. This is the property that Tracey Hames has control of. David Byrnes is not aware of this because he does not handle Wildlife issues.
- Fee patent land acquired within reservation into trust. This is up to BIA.
- Proposal for follow up on patent land off reservation as for as O&M costs.
- Will treat as a landowner and the landowner will need to take some responsibilities.
- Has been function as a group for the last eight years.
- David Byrnes has a copy of a MOU between Spokane Tribe and BPA as an example.

PROSSER: Bill Fiander

The objectives for February include fish culture, facility maintenance. Daily operation and maintenance continued at both production facilities-PH and MDH.

Fish rearing

Prosser Hatchery

2/3/04	Repairing and fiber glassing the upper raceways
2/4/04	Split YNPCO-02 from RW 1 into RW 5
2/5/04	Bob Tuck arrived to pick up some eggs for schools
2/7/04	Pressure washing lower raceways

2/9/04 Setting tent up at raceways for tagging crew
 2/10/04 Todd's crew started tagging
 Building a mini crowder for little circular tank at taggers station
 2/11/04 Taggers finished
 Started ponding accelerated FC03-01
 Draining the circulars to dry out for new liners
 2/12/04 Fish health (Eric) here to pick up fish
 Started ponding FC03-02
 Took down the taggers tent
 2/17/04 Finished ponding FC03-02
 2/18/04 Started ponding FC03-03
 Working on steelhead circulars
 Getting tank set up for CN he's taking fish tagged last week
 2/19/04 Cleaning up in incubation room – cleaning baffles
 2/20/04 Cleaning up around raceways
 Taking fence down around freezer
 2/23/04 Setting up the fish pump
 2/25/04 Working on bird netting
 Eric from Fish Health here to look at sick fish

Marion Drain Hatchery

Fall Chinook are ponded and being reared at Hatchery. Regular maintenance continues daily – cleaning screens, feeding Chinook and trout, and general upkeep. Maintenance crew is renovating, repairing and fabricating equipment needed by all YKFP projects at the Marion Drain shop

Administrative

2/02/04 Fisheries staff meeting in Toppenish.
 2/03/04 Working with Shirley G. on Lower Yakima O&M budget.
 Talked with Doug Hatch (CRITFC) on steelhead kelt contract.
 2/04/04 Fall Chinook meeting at Nelson Springs.
 2/05/04 Internal YN meeting on BOR 04 AOP at Pat Spurgin's office.
 2/06/04 Budget meeting on Lower Yakima O&M.
 2/10/04 Steelhead kelt meeting at Toppenish trailer.
 BOR Annual Operations Plan Meeting at Yakima Field Office.
 2/11/04 Policy Group Meeting at Nelson Springs.
 2/23/04 Coordination meeting with USFWS at Zillah.
 2/24/04 Coordination meeting with USFWS at Zillah.

Prosser Hatchery, February 2004 *YNPCO 02*, Coho YAKIMA

Day	Pond #	Fish on Hand			Mortality		Food fed Brand & Size
		lbs	No.	Size	No.	Lbs	
02/29/04	RW1	1216.3	20,385	16.76	17	29	2.5 Skretting
02/29/04	RW5	1202.8	20,388	16.95	14	18	2.5 Skretting

Prosser Hatchery, February 2004 *WCO-02* Coho WILLARD & EAGLE CREEK

Day	Pond #	Fish on Hand			Mortality		Food fed Brand & Size
		lbs	No.	Size	No.	Lbs	
02/29/04	RW2	5628.0	84,589	15.03	336	110	2.5 Skretting
	RW3	4618.8	84,340	18.26	428	89	2.5 Skretting
	RW4	6216.9	83,742	13.47	999	85	2.5 Skretting
	RW6	38418.7	781,053	20.33	71	114	2.5 Skreeting
	RW7	1861.2	31,213	16.77	27	45	2.5 Skreeting.

Fish on Hand					Mortality		
Day	Pond #	lbs	No.	Size	No.	Lbs	Food fed Brand & Size
02/29/ 04	LR1	305.0	147,333	483.00			#0 Crum - Skretting
	LR2	287.2	150,514	524.00			#0 Crum - Skretting
	LR3	334.0	183,340	549.00			#0 Crum - Skretting

Pond Temperatures:

WATER SOURCE		YAKIMA
Maximum		
Minimum		
Average	48.0	

HABITAT: Scott Nicloai

- Aquatic land WDFW property Upper Yakima, working with William Meyer they will be the lead.
- DNR land exchange/scatter tracks, including three in Yakima. Land swap, George Shelton of DNR agreed to the land swap.
- Mountain Star resort same land will be sold to them.
- 110 acres all in floodplain doing a different land swap with DNR. Property will go to State Fish & Wildlife.
- Appraiser for Holmes almost done and will get with Scott by end of the week.
- SRBD application for Holmes Property.
- Washington Water Trust to get the water on Holmes Property.
- Hank Fraser is working on Reecer Creek Hank will fill out application on this working with the Conservation District.
- Hanson Pond's is going great, place trees in ponds, will get the trees from Ellensburg Cement.
- Rocks donated by Trend West to place in around the parking area. Starting to look like a park.
- Attending Subbasin Planning meeting and doing gravel pit study, comments due by the 16th.

KLICKITAT: Bill Sharp

- Hatchery released Spring Chinook 12.5 lbs, all gone took a week to move out.
- They were grown smaller this year.
- All three employees that are stationed at the Hatchery are all YN Tribal members.
- Waiting for Bill Tweit to call regarding the language for the two fishways.
- Property transfer for hatchery, Pat reviewed and comments back to Bill Tweit, waiting for response.
- Draft Master Plan is available, David Byrnes did get a draft copy. Will be updating some language, specifically to the construction cost estimate part of the plant.
- Master plan will be a significant part of the subbasin plan.
- HGMP have been completed for the Klickitat.
- Patti Smith requested copies of the HGMP's for the Klickitat from Bill Sharp.
- OTHER ACTIVITIES:
- Didn't look at the minutes from Boise meeting.
- David Byrnes gave Bill S. some encouraging news regarding the 48% of FY04 money on KWEP.
- David wanted to know the burn rate? Now to June?
- This is not the way to manage a habitat? David agreed.
- Design plans for Lyle Falls 90% submittal.
- Wahkikus Acclimation Facility will be bringing on Tom Ring, YN Water Resources Program to do ground water study. There is money available for remainder of design and feasibility study work.
- Pat working with Parks and Recreation for the rails-to-trails. Need a State WDFW representative for input. This would be to investigate options such as relinquishment of their rights of the right away for pond and piping area.
- Castile Falls 4&5 will be completed in August.
- Last year was 10&11. These have been completed.
- Bill will call Patti next week and they will get with Nancy regarding the permits.

CONSTRUCTION/MAINTENANCE/MITIGATION:

ACCLIMATION SITES: Charles Storm

- Daily flows own measures manually.
- Do full blown test at the end of May.
- Move remaining fish in mid-May, to do the test.

- Will continue monitoring flow until then.
- Get control of water flow systems.
- Under water feeders, soon as the line is thawed out. Start with beginning flow and when feeders are running. All ten underwater feeders may need a booster pump.
- Sediment is starting to pile up in the channel will need to dredge out.
- Will schedule for this summer. When everything is out and dewatered.
- Melvin suggested to get a hold of Travis Hull for the backhoe work.

NELSON SPRINGS: David Byrnes

- Construction review checklist
- Scott mentioned to keep prepping documents, what does Patti anticipate?
- Checklist
- Need to look at demolition. (don't know the plan as of yet)
- Need to set a call to Dan McDonald to see what the demolition plan is.
- BPA comments to council (the letter).
- Did get a call from Mark Fritch after he did receive the letter. There will be some discussion on this matter in the meeting in Montana. Probley nothing formal at this meeting.
- Bill S and Bill B may send Master Plan to Mark in mid-April. Waiting to hear from Judith.
- Need to submit to council by April 17th.
- Utilization of capitol has to be planned for and used for the year it's planned for.

TILLMAN CREEK MITIGATION PLAN: David Byrnes

- Waiting on allocation request from Mark Fritch. This was sent or mentioned in letter. This is separate from the Nelson Springs project.
- Will have a workload once this is started. Re-engage the easements and the NEPA compliance for this project.
- Mark F. needed some backup documentation for this. Dave sent it to him.
- New money or the request for reschedule has not been handled yet. These need to be dealt with as soon as possible.
- Budget
- 2004 mod, council has group of these that need to be processed.
- Shortage of funds, working on generating a new contract
- David has not been able to get back with Rachel but, will meet with her and Adrienne on March 11, 2004 at the Toppenish office.
- FY05 budgets, Council will get these out to people for review by June.

NEPA: Patti Smith

- Need new checklist for Holmes and Tillman Creek
- Need new species list for Tillman Creek
- Demolition for Nelson Springs (this has not been done yet will get with D. McDonald)
- New domestic well at new building site.
- Will leave the old well at the Nelson Springs for the irrigation purposes.
- Master Plan for Klickitat, will review and distribute to people at her office to see what kind of NEPA we need to do.
- Coho Master Plan is there going to be a HGMP done for this?
- Joel could not get a firm answer on weather a HGMP needed to be done?
- Patti will call and speak directly with Mark F. to see if one needs to be done.
- NOAA may look at the Coho Master Plan and not see a HGMP and may not approve?
- Boone Pond
- No coverage on this.
- Joel Hubble said it should be covered in the language section, maybe by river mile.
- Cowiche Dam:
- Clean up? Phase II screens
- Is this temporary or something permanent?
- Is this something I should be worried about?
- It's o.k. If there doing it, I just want to make sure were covered.

MEETING ADJOURNED

NEXT MEETING: APRIL 21, 2004 AT NELSON SPRINGS

May 19th Tentative date for meeting at Wahkiacus office